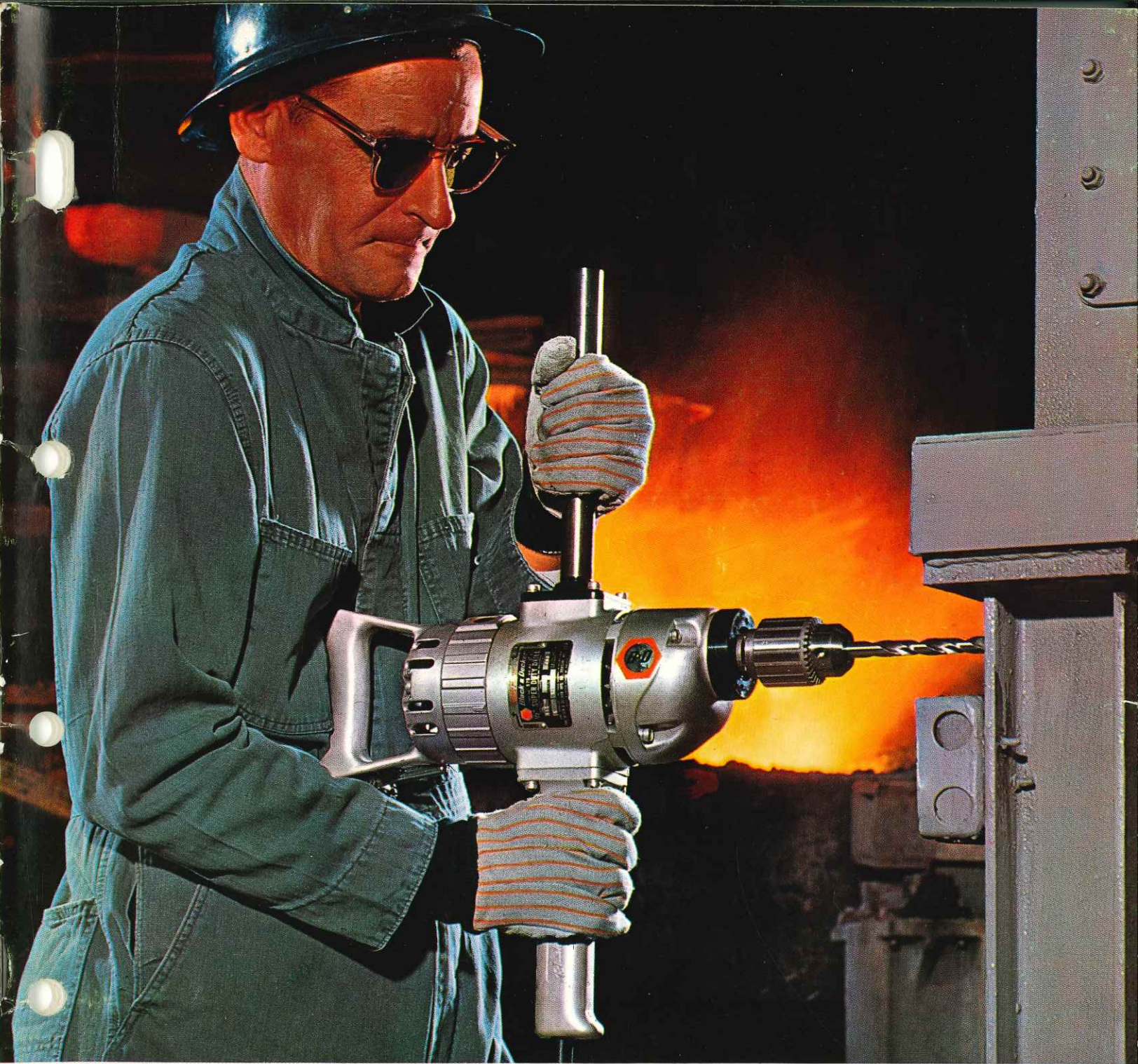




CATALOG 1 (P)

Black & Decker[®]

QUALITY POWER TOOLS
FOR INDUSTRY AND THE CONSTRUCTION TRADES

11/11/65

DRILLS • SCREWDRIVERS • IMPACT WRENCHES • HAMMERS • SAWS • SHEARS • NIBBLERS • SANDERS • GRINDERS • VACUUM CLEANERS



Black & Decker®

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CABLE

SIZE OF EXTENSION CABLE FOR PORTABLE ELECTRIC TOOLS

Based on current equivalent to 150 percent rated load of tool and a loss in voltage of not over 5 volts for 115-volt tools. For 220-volt tools, use wire size corresponding to an extension length of one-half the contemplated length.

Ampere rating (on Nameplate)	0- 2.00	2.10- 3.4	3.5- 5.00	5.10- 7.0	7.10- 12.0	12.1- 16.0
Ext. Cable Length	Wire Size (A.W.G.)					
25 Ft.	18	18	18	18	16	14
50 Ft.	18	18	18	16	14	12
75 Ft.	18	18	16	14	12	10
100 Ft.	18	16	14	12	10	8
150 Ft.	16	14	12	12	8	8
200 Ft.	16	14	12	10	8	6
300 Ft.	14	12	10	8	6	4
400 Ft.	12	10	8	6	4	4
500 Ft.	12	10	8	6	4	2
600 Ft.	10	8	6	4	2	2
800 Ft.	10	8	6	4	2	1
1000 Ft.	8	6	4	2	1	0

Black & Decker® tools are made of the best materials available and built to the highest standards of excellence in the power tool industry. For you, this means long trouble-free service and years of highly productive use, backed by our LIFE-TIME GUARANTEE. For year-in, year-out power tool satisfaction, you'll find that Black & Decker tools are built to last longer.

Guarantee

Every Black & Decker product has been carefully inspected before shipment, and we guarantee to correct any defect caused by faulty material or workmanship. Our obligation assumed under this guarantee is limited to the replacing of any part or parts which prove to our satisfaction, upon examination, to have been defective, and which have not been misused or carelessly handled. The complete unit must be returned to one of our Factory Service Branches, Authorized Service Stations, or to our Factory, transportation charges prepaid. We reserve the right to decline responsibility where repairs or replacements have been made or attempted by others. No other guarantee, written or verbal, on our products is authorized by us.

MOTORS

All Black & Decker Electric Tool motors (except some drills and Bench Grinders) are 'universal' motors; they will operate on either direct current or single-phase alternating current of 25 to 60 cycles of the specified voltage.

VOLTAGE SPECIFICATIONS. Please specify voltage for each tool on order. If voltage is not specified tools will be furnished for 115 volt current. Most tools can also be supplied from stock with 220 volt motors; tools with 125 volts or 240 volts are available on special order. Following are voltage ranges for motors supplied for nominal voltages as shown.

115 Volts—Range 110 to 120V.
125 Volts—Range 120 to 130V.
220 Volts—Range 210 to 230V.
240 Volts—Range 235 to 250V.

Specify phase and cycle for Bench Grinders, otherwise they will be furnished for 115 volts, single phase, 50-60 cycle current.

Check your supply line for proper voltage to be sure you are getting adequate power supply.

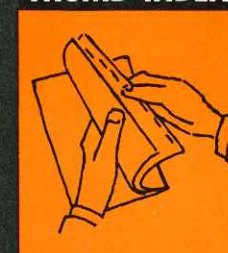
GROUNDING. All tools listed, herein, (except Cordless Tools and the All-Insulated Drill) have 3-conductor cord and 3-blade grounding type attachment plugs, listed by Underwriters Laboratories, Inc., which fit 3-wire grounding receptacles now required by the National Electrical Code.



**UNDERWRITERS'
LABORATORIES
LISTED**

All* Black & Decker Tools listed in this catalog have been listed under the re-examination service of Underwriters' Laboratories, Inc. for industrial use.
*Except No. 8, No. 10 C.D., No. 12, No. 14, No. 18 Screwdrivers with Reversing Switches and Coal Drill.
6½", 7¼", 8¼" and 9¼" Super Sawcats were under test by U-L at the time of the printing of the catalog.

THUMB INDEX



DRILLS

HAMMERS

SAWCATS

SABRE
SAWS

SANDERS &
GRINDERS

SCREW
DRIVERS

IMPACT
WRENCHES

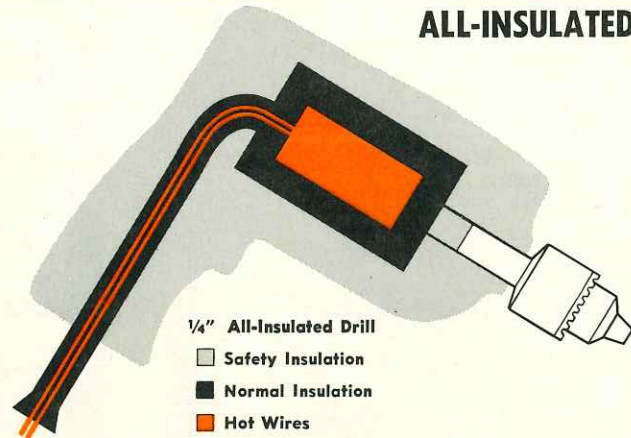
VACUUM
CLEANERS



Black & Decker® DRILL FEATURES

As the recognized leader of the Portable Electric Drill industry, we constantly seek to improve our Drills in order to maintain this position of leadership and to assure our customers that they are getting the latest scientific developments when they purchase a Black & Decker Drill. The All-Insulated Drill and Heavy-Duty Industrial Cordless Drills are the latest additions to our line. Check the outstanding features of each of the Drill groups and see why they add up to give you the most efficient, most powerful, most versatile Drill Line on the market today!

ALL-INSULATED DRILLS



1. Grounding wire eliminated. 2-prong plug fits any receptacle.
2. Chuck of the drill is fully insulated so that operator is properly protected.
3. All parts that you touch are completely insulated. Housing is made of fiberglass reinforced polyester.
4. Housings will withstand same rough treatment as our regular aluminum-housed units.
5. Comfortable to hold under cool or warm conditions.
6. Perfect for plumbers, electricians, carpenters and others who don't have grounded receptacles to use.

HEAVY-DUTY INDUSTRIAL CORDLESS DRILLS



1. A radically NEW concept in Power Tools—NO CORD.
2. Has a totally different, ultra-efficient motor combined with a rechargeable Power Pack.
3. No wires or external batteries to bother with.
4. Quick Power Pack changing—do it in seconds.
5. Fast Power Pack charging—a full recharge takes only 3½ hours.
6. Versatile. Use anywhere. Shockproof. Quiet running.
7. With spare Power Packs these drills can duplicate the work of most cord-type drills.

HEAVY-DUTY ELECTRIC DRILLS



1. A newly designed cooling system keeps motor temperatures lower, reducing maintenance cost.
2. In units subject to overloading, the motor wire is coated with a new insulating resin which can withstand up to 38% higher operating temperatures raising the safe overload level.
3. Many armatures have hot staked (fused) commutator leads which are used to assure positive connections.
4. New carbon brush grades are used, giving longer brush life and less commutator wear, prolonging the usable life of the motor.
5. New armature impregnating varnish provides greater bond strength at high temperatures.
6. Newly designed motor laminations allow more efficient motor operation and greater power output.



1/4" DRILL Cat. No. 711

- Compact; comfortable to hold.
- Rugged, high-strength housing.
- Burnout protected with exclusive *ML wire.

- Quality geared chuck.
- **Duty Rating:** for light-duty industrial use and farm repair jobs.
- **Bearings:** 4 lubricant-impregnated.
- **Switch:** single pole trigger.



1/4" SPECIAL DRILL Cat. No. 30

- Long brush life; dependable service.
- Perfectly proportioned for comfortable handling.
- Quality geared chuck.

- **Duty Rating:** for intermittent drilling such as maintenance and repair work.
- **Bearings:** 4 lubricant impregnated.
- **Switch:** single pole trigger.



1/4" STANDARD HOLGUN® DRILL Cat. No. 345

- New bearings for longer life and smoother performance.
- Harder steel used for longer life of spindle and armature shaft.
- Improved switch lowers maintenance costs. Has conveniently located lock pin.

- **Duty Rating:** for general purpose or occasional heavy-duty drilling. Perfect for maintenance, installation, etc.
- **Bearings:** 1 ball, 2 caged roller, 3 needle.
- **Switch:** single pole trigger.



1/4" ALL-INSULATED DRILL Cat. No. 880

- All parts that you touch, including chuck, are completely insulated so that operator is properly protected. Housing is fiberglass reinforced polyester.
- Grounding wire eliminated. 2-prong plug fits any receptacle.
- Perfect for plumbers, electricians,

- carpenters and others who don't have grounded receptacles to use.
- **Duty Rating:** general purpose or occasional heavy-duty use.
- **Bearings:** 1 roller, 1 roller-thrust, 2 needle, 1 ball-thrust.
- **Switch:** single pole trigger.



1/4" HEAVY-DUTY HOLGUN® DRILL Cat. Nos. 457 & 460

- Our highest quality 1/4" Pistol Grip Drill; heavy-duty throughout.
- New bearings, harder steel on spindle and armature shaft add up to longer life.
- Special alloy heat-treated gears.

- Extra long brush life.
- **Duty Rating:** heavy-duty continuous production service.
- **Bearings:** 5 ball, 1 needle.
- **Switch:** H.D. double-pole trigger.



COMPARATIVE SPECIFICATIONS

Standard Voltages (universal motor): 115V AC only for No. 711 Drill; 115V or 220V AC only for No. 880 Drill; 115V or 220V AC/DC (others p.1) for all other Drills. Specify voltage.

Cat. No.	Drilling Capacity		No-load RPM	Rated load RPM	Rated at 115V	Length lbs.	Net Wt. lbs.	Ship. Wt. lbs.
	Steel	Hardwood						
711	1/4"	1/2"	2250	1720	2.0 amps.	7 7/8"	3	3 3/4
30	1/4"	1/2"	2000	1400	2.0 amps.	8 1/2"	3 3/8"	4 1/4
345	1/4"	1/2"	1700	1050	2.5 amps.	8 1/2"	3 3/8"	4 1/4
345-2	1/4"	1/2"	2500	1400	2.5 amps.	8 1/2"	3 3/8"	4 1/4
880	1/4"	1/2"	2250	1500	2.2 amps.	8 1/2"	3 3/8"	4
457	1/4"	1/2"	1700	1300	3.0 amps.	7 3/4"	3 1/4	5
457-2	1/4"	1/2"	2500	1950	3.0 amps.	7 3/4"	3 1/4	5
457-3	1/4"	1/2"	3500	2800	3.0 amps.	7 3/4"	3 1/4	5
457-5	1/4"	1/2"	5000	3900	3.0 amps.	7 3/4"	3 1/4	5
460	1/4"	1/2"	600	450	3.0 amps.	8 1/4"	3 1/2	5
460-1	1/4"	1/2"	1000	650	3.0 amps.	8 1/4"	3 1/2	5

*Dupont Trademark.



Shortest distance from edge of housing to chuck center of any drill on the market.

1/4" HEAVY-DUTY SHORTY® DRILL Cat. No. 668

SMALLEST, MOST COMPACT DRILL ON THE MARKET

- Lightweight; powerful.
- Cool operation—twin fans.
- Unique offset head permits close drilling on flush work and drilling 'around corners'.
- Duty Rating: continuous heavy-duty use.
- Bearings: 3 ball, 1 needle.
- Switch: single pole paddle type.

Available on Special Order only: Cat. No. 669 1/4" H.D. Shorty® Drill with toggle switch instead of paddle switch.

1/4" HEAVY-DUTY END HANDLE DRILL Cat. Nos. 702 and 703

- Handle design permits maximum pressure behind the drill bit.
- Heavy-duty throughout—a continuous-duty drill.
- Industrial-quality precision chuck.
- Very efficient cooling system.
- Extra long brush life; more than ample power for toughest drilling job.
- Perfect for use with No. 49348 H.D. Right Angle Attachment.
- Excellent for use as a power unit.
- Duty Rating: continuous heavy-duty use.
- Bearings: 3 ball, 3 needle.
- Switch: H.D., double-pole, trigger.

5/16" HEAVY-DUTY END HANDLE DRILL Cat. Nos. 704 and 705

- Heavy-Duty construction throughout—a continuous-duty drill.
- Very efficient cooling system.
- Industrial-quality precision chuck.
- Handle design permits maximum pressure behind the drill bit.
- Extra long brush life; more than ample power for toughest drilling job.
- Perfect for use with No. 49348 H.D. Right Angle Attachment.
- Excellent for use as a power unit.
- Duty Rating: Continuous heavy-duty use.
- Bearings: 3 ball, 3 needle.
- Switch: H.D., double-pole trigger.

3/8" SPECIAL DRILL Cat. No. 854

- Human engineered handle for greatest comfort and handling ease.
- Sturdy aluminum housing.
- Quality geared chuck.
- Powered and geared for Installation Men, Maintenance Crews, etc.
- Perfect with Hole Saws: has the correct drilling power.
- Duty Rating: Intermittent drilling.
- Bearings: 1 needle, 5 lubricant impregnated.
- Switch: single-pole, trigger.

HAMMER-GUN® (1/4" Hammer Drill) Cat. No. 714

A combination 1/4" Drill and rotary action Hammer. See page 20 for complete specifications.

COMPARATIVE SPECIFICATIONS

Standard Voltages (universal motor): 115V or 220V AC/DC (others p.l.). Specify voltage.

Cat. No.	Type Chuck	Drilling Capacity		No-load RPM	Rated-load RPM	Rated at 115V	Length	Net Wt. lbs.	Ship. Wt. lbs.
		Steel	Hard-wood						
668	geared	1/4"	1/2"	2000	1000	2.0 amps.	8 3/8"	3 1/4	4 1/4
702	geared	1/4"	1/2"	2000	1175	5.2 amps.	12 1/2"	6 3/4	7 1/4
702-9	geared	1/4"	1/2"	900	540	5.2 amps.	12 1/2"	6 3/4	7 1/4
702-14	geared	1/4"	1/2"	1400	850	5.2 amps.	12 1/2"	6 3/4	7 1/4
703	keyless	1/4"	1/2"	2000	1175	5.2 amps.	12 1/2"	6 3/4	7 1/4
703-14	keyless	1/4"	1/2"	1400	850	5.2 amps.	12 1/2"	6 3/4	7 1/4
704	geared	5/16"	3/8"	1400	850	5.2 amps.	12 3/8"	6 3/4	7 1/4
704-2	geared	5/16"	3/8"	2000	1175	5.2 amps.	12 3/8"	6 3/4	7 1/4
704-9	geared	5/16"	3/8"	900	540	5.2 amps.	12 3/8"	6 3/4	7 1/4
705	keyless	5/16"	3/8"	1400	850	5.2 amps.	12 3/8"	6 3/4	7 1/4
705-2	keyless	5/16"	3/8"	2000	1175	5.2 amps.	12 3/8"	6 3/4	7 1/4
854	geared	3/8"	3/4"	1000	650	2.4 amps.	8 1/16"	3 1/2	3 3/4



3/8" STANDARD HOLGUN® DRILL Cat. No. 653

- Harder steel used for longer life of spindle and armature shaft.
- New bearings for longer life and smoother performance.
- Improved switch lowers maintenance costs. Has conveniently located lock pin.
- Duty Rating: for general purpose or occasional heavy-duty drilling. Perfect for maintenance, installation, etc.
- Bearings: 1 ball, 3 needle, 2 caged roller.
- Switch: single pole trigger.

3/8" HEAVY-DUTY 2-SPEED DRILL Cat. No. 795

- Two tools in one. Two-speed gear shift gives correct drilling power or torque at both high and low speeds.
- Shifting gears from high speed to low speed increases torque 2 1/2 times.
- Perfect for electricians, plumbers, installers and service technicians.
- Use High Speed for up to 1/4" in sheet metal, up to 1/2" in hardwood or for any drilling job normally done with a 1/4" drill.
- Use Low Speed for up to 3/8" in steel, up to 3/4" in hardwood, up to 1 1/2" with Hole Saws and up to 1 1/2" in masonry.
- Duty Rating: for general purpose or occasional heavy-duty drilling.
- Bearings: 1 ball, 3 lubricant impregnated, 2 roller.
- Switch: single pole trigger.

REVERSIBLE 3/8" SCRU-DRILL® Cat. No. 681

Combination Screwdriver and Drill

- B&D Exclusive: a combination Screw-driver and Drill.
- Just a turn of the collar converts tool from a drill to a screwdriver.
- Reversing switch permits quick removal of screws or nuts in disassembly operations.
- For intermittent-duty work. (See pages 48-51 for screwdrivers for production work).
- Scru-Drill® can be used with 1/4" Hex Shanks, with Bits with 1/4" hex shanks and associated Finders and Sockets on p. 52.
- Duty Rating: intermittent use.
- Bearings: 6 lubricant impregnated.
- Switch: single pole trigger; reversing switch.

ACCESSORIES FOR SCRU-DRILL®

- Cat. No. 18593 Repl. Bit and Finder for No. 8 to No. 12 slotted head screws.*
- Cat. No. 46098 Bit and Finder for No. 5 to No. 9 slotted head screws.*
- Cat. No. 49280 Non-Magnetic Bit Tip Holder. Use for holding bit tips with 1/4" hex shanks.
- Cat. No. 49278 Magnetic Drill-Screw Chuck. Use for driving self-drilling, self-tapping screws with a 1/4" hex head.

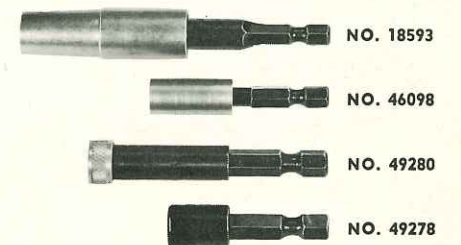
*Quantity Discount: 50-99 less 5%; 100 or more less 10%.

COMPARATIVE SPECIFICATIONS

Standard Equipment: (for Scru-Drill®) Cat. No. 18593 Bit and Finder for No. 8 to No. 12 slotted head screws; reversing switch.

Standard Voltages (universal motor): 115V or 220V AC/DC (others p. 1). Specify voltage.

Cat. No.	Drilling Capacity		No load RPM	Rated load RPM	2-Speed Drill Speeds				Screw-Drill® Screwdriing Capacity	Amps. Rated at 115V	Length.	Net Wt. lbs.	Ship. Wt. lbs.	
					High Speed		Low Speed							
	Steel	Hard wood			No load RPM	Rated load RPM	No load RPM	Rated load RPM						
														Wood
653	3/8"	5/8"	1100	680	—	—	—	—	—	2.5	8½"	3¾	4¼	
795	3/8"	3/4"	—	—	2500	1700	1000	700	—	—	2.2	9½"	4¾	5¼
681	3/8"	3/4"	1000	650	—	—	—	—	up to #10 x 1½"	#12 self-tapping screws & up to #12 machine screws & nuts	2.7	9¾"	4	5¼





NEW

NO. 643

3/8" HEAVY-DUTY HOLGUN® DRILL Cat. No. 643

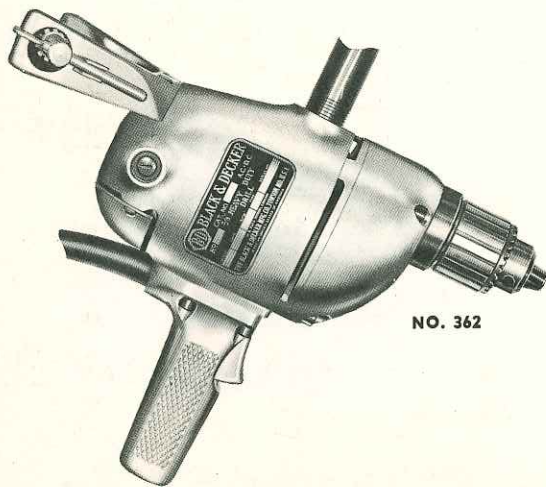
- Our highest quality 3/8" Pistol Grip Drill; heavy-duty throughout.
- New bearings, harder steel on spindle and armature shaft add up to longer life.
- Special alloy heat-treated gears.
- Extra long brush life.
- **Duty Rating:** heavy-duty continuous production service.
- **Bearings:** 5 ball, 1 needle.
- **Switch:** H.D. double-pole trigger.



NO. 706

3/8" HEAVY-DUTY END HANDLE DRILL Cat. No. 706

- Heavy-duty construction throughout—a continuous-duty drill.
- Handle design permits maximum pressure behind the drill bit.
- Industrial-quality precision chuck.
- Very efficient cooling system.
- Extra long brush life; more than ample power for toughest drilling jobs.
- Movable 7" side handle can be mounted on either side of drill.
- Perfect for use with No. 49348 H.D. Right Angle Attachment.
- Excellent for use as a power unit.
- **Duty Rating:** continuous heavy-duty use.
- **Bearings:** 3 ball, 3 needle.
- **Switch:** H.D., double-pole, trigger.



NO. 362

3/8" HEAVY-DUTY BALL-BEARING DRILL Cat. No. 362

- General purpose drill built for plumbers, electricians, etc.
- Armature and chuck-spindle mounted on ball-bearings.
- Precision geared chuck.
- Well balanced.
- Close-coupled construction with minimum spindle offset.
- Convenient spade handle with permanent Key Holder.
- **Duty Rating:** continuous heavy-duty use.
- **Bearings:** 3 ball, 5 needle.
- **Switch:** H.D., double-pole, trigger.

COMPARATIVE SPECIFICATIONS

Standard Equipment: (for No. 362) detachable side handle; chuck key holder.
Standard Voltages (universal motor): 115V or 220V AC/DC (others p.1). Specify voltage.

Cat. No.	Drilling Capacity		No load RPM	Rated load RPM	Rated at 115V	Length	Net Wt. lbs.	Ship. Wt. lbs.
	Steel	Hard-wood						
643	3/8"	3/4"	1000	650	3.0 amps.	8 3/8"	3 3/4	5 1/4
643-6	3/8"	3/4"	600	450	3.0 amps.	8 3/8"	3 3/4	5 1/4
706	3/8"	7/8"	900	540	5.2 amps.	13 1/4"	6 3/4	7 1/4
706-1	3/8"	7/8"	1400	850	5.2 amps.	13 1/4"	6 3/4	7 1/4
706-2	3/8"	7/8"	2000	1175	5.2 amps.	13 1/4"	6 3/4	7 1/4
362	3/8"	7/8"	1000	675	5.5 amps.	13 1/2"	9 1/2	11



1/2" SPECIAL DRILL Cat. No. 679

- Lightweight, compact, high output.
- Well balanced for perfect control on all types of jobs.
- Removable spade handle for easy commutator clean-out.
- Precision geared chuck.
- **Duty Rating:** intermittent use.
- **Bearings:** 6 lubricant-impregnated.
- **Switches:** single pole trigger.



NO. 679

REVERSIBLE 1/2" SPECIAL DRILL Cat. No. 687

- Perfect for drilling holes in utility line poles—wood auger backs out safely.



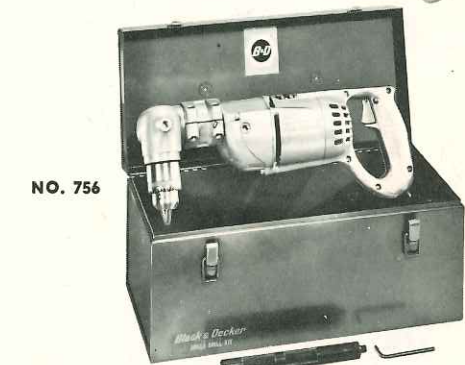
NO. 425

1/2" HEAVY-DUTY DRILL Cat. No. 425

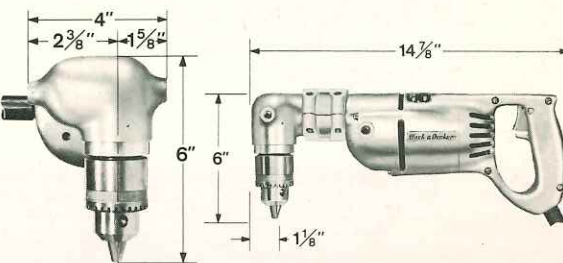
- General purpose drill built for plumbers, electricians, etc.
- Armature and chuck-spindle mounted on ball-bearings.
- Precision geared chuck.
- M-L wire in motor withstands high overloads.
- Close-coupled construction with minimum spindle offset.
- Convenient spade handle with permanent Key Holder.
- **Duty Rating:** continuous heavy-duty use.
- **Bearings:** 3 ball, 5 needle.
- **Switch:** H.D., double-pole, trigger.

1/2" H.D. RIGHT ANGLE DRILL KIT Cat. No. 756

- Drills in places inaccessible to straight-line drills.
- Drills between joists for cable and pipe installation, in tight corners of machinery, behind pipes, etc.
- Especially useful to men doing service or maintenance work and construction work.
- Use with self-feed bits, wood augers, large drill bits and hole saws.
- Helical right angle gears for smooth power transmission.
- Head swivels 360°—locks in any position.
- Pipe handle can be mounted in Right Angle Head or in the drill housing.
- Head and drill have heavy-duty ball bearing construction.
- Speed can be changed from 675 R.P.M. to 300 R.P.M. depending upon which end of head is connected to drill. Lower speed gives higher torque.
- Right Angle Head can be removed and chuck mounted in drill to give you a powerful B&D 1/2" H.D. END HANDLE DRILL for in-line drilling.
- **Duty Rating:** continuous heavy-duty use.
- **Bearings:** (in head) 2 ball, 2 needle; (in drill) 3 ball, 5 needle.
- **Switch:** H.D. double pole trigger.



NO. 756

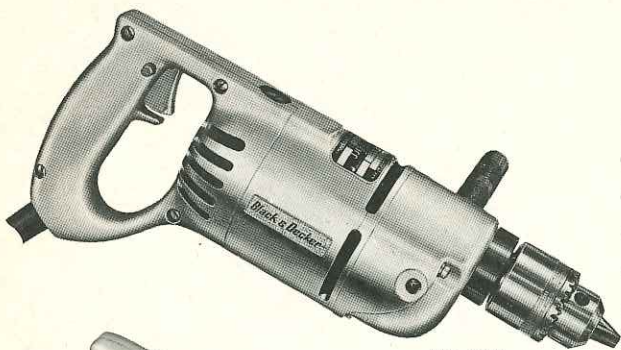


COMPARATIVE SPECIFICATIONS

Standard Equipment: (for Nos. 687, 679 and 425) detachable pipe handle and chuck key holder; (for No. 756) steel kit box, reversible pipe pipe handle and hex socket wrench.
Standard Voltages (universal motor): (for Nos. 687, 679 and 425) 115V or 220V AC only; (for No. 756) 115V or 220V AC/DC (others p.1). Specify voltage.

Cat. No.	Drilling Capacity			Nos. 679, 687 & 425 Drills		Speeds of Drill in No. 756 Kit						Amps. Rated at 115V	Length	Net Wt. lbs.	Ship. Wt. lbs.
						High RPM end		Low RPM end		With Right Angle Head Removed					
	Steel	Hard-wood	Ma-sonry	No-load RPM	Rated load RPM	No-load	Rated load	No-load	Rated load	No-load RPM	Rated load RPM				
679	½"	1"	¾"	600	340	—	—	—	—	—	—	4.5	13¼"	7½	10
687*	½"	1"	¾"	600	390	—	—	—	—	—	—	4.5	13¼"	7½	10
425	½"	1⅛"	¾"	450	300	—	—	—	—	—	—	5.5	13¾"	9¾	11¼
756	½"	1⅛"	¾"	—	—	675	375	300	167	450	250	5.2	14⅞"	19	20⅓

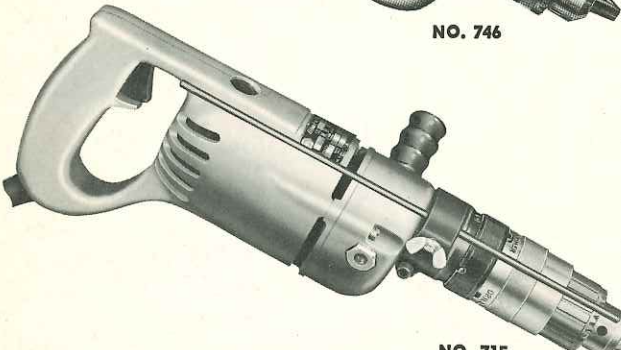
*With reversing switch.



NO. 746

1/2" H.D. END HANDLE DRILL Cat. No. 746

- Heavy-duty construction throughout—a continuous-duty drill.
- Handle design permits maximum pressure behind the drill bit.
- Movable 7" side handle can be mounted on either side of drill.
- Extra long brush life; more than ample power for the toughest drilling jobs.
- Very efficient cooling system.
- Industrial-quality precision chuck.
- Perfect with H. D. Right Angle Attachment.
- Excellent for use as a power unit.
- Duty Rating—continuous heavy-duty use.
- Bearings—3 ball, 5 needle.
- Switches—H. D., double-pole, trigger.



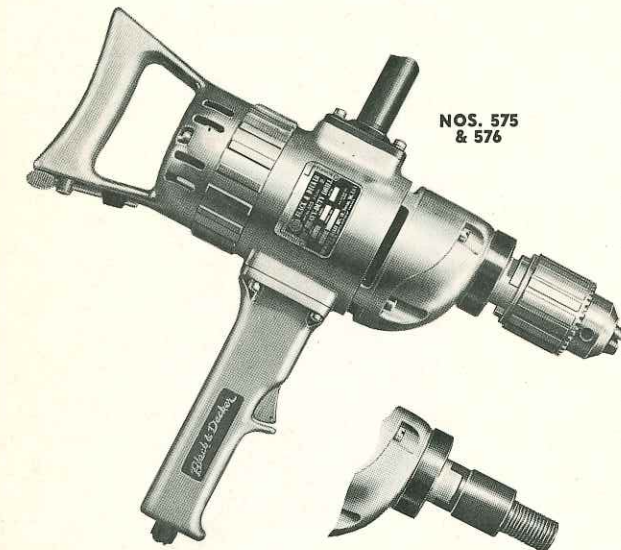
NO. 715

REVERSIBLE 1/2" H.D. END HANDLE DRILL Cat. No. 757

Same specifications as 746 above except equipped with reversing switch.

HEAVY-DUTY HAMMER-DRILL Cat. No. 715

Combination 1/2" H. D. Drill and rotary action Hammer. See page 20 for complete specifications.



NOS. 575 & 576

1/2" SUPER-DUTY DRILL Cat. No. 575

Extra Heavy-Duty Construction and Performance

- Our best 1/2" Drill—extra heavy-duty capacity for continuous production drilling.
- Built-in Reversing Switch at no extra charge.
- Heavy-duty ball-bearings at Spindle and armature shaft.
- Precision geared chuck or (optional at no extra cost) #2 Morse Taper Socket.
- Also runs speed reducers, hoists, light elevators, etc.
- Duty Rating—continuous heavy-duty use.
- Bearings—6 ball, 1 needle.
- Switches—H. D., double-pole, trigger switch and reversing switch.

5/8" H.D. BALL-BEARING DRILL Cat. No. 576

- Heavy-duty throughout for continuous production drilling.
- Built-in Reversing Switch at no extra charge.
- Heavy-duty ball-bearings at spindle and armature shaft.
- Precision geared chuck or (optional at no extra cost) #2 or #3 Morse Taper Socket.
- M-L wire in motor withstands high overloads.
- Also runs speed reducers, hoists, light elevators, etc.
- Duty Rating—continuous heavy-duty use.
- Bearings—6 ball, 2 needle.
- Switches—H. D., double-pole, trigger switch and reversing switch.

NO. 575-C

COMPARATIVE SPECIFICATIONS

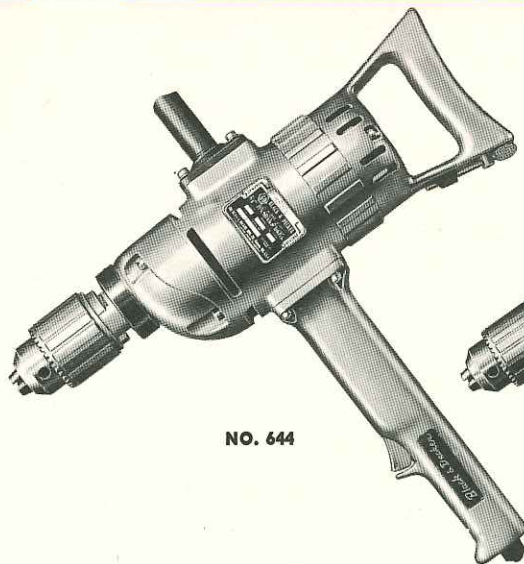
Standard Voltages (universal motor): 115V or 220V AC/DC (others p.1). Specify voltage.

Standard Equipment: (for No. 575) Key-Drive taper chuck—optional, No. 2 Morse taper socket instead of chuck at no extra cost; (for No. 576) Key-Drive taper chuck—optional No. 2 or No. 3 Morse taper socket instead of chuck at no extra charge; (for Nos. 575 and 576) chuck key holder and detachable pipe handle.

Special Order: Cat. No. 575-C 1/2" S.D. Drill, type FC (1"—8 thread spindle). No-load Speed: 450 RPM. This is the No. 575 equipped with Cat. No. 45960 Spindle Adaptor Assembly which converts it to 1"—8 thread spindle unit (chuck not included). Reversing switch is not standard with this unit.

Cat. No.	Capacity with chuck		#575 & #576		No-load RPM	Rated load RPM	Rated at 115V	Length	Net Wt. lbs.	Ship. Wt. lbs.
			Cap. #2 MTS	Cap. #3 MTS						
	Steel	Hard-wood	Steel	Steel						
746	1/2"	1 3/8"	—	—	500	250	5.2 amps.	14 1/8"	8 1/2	9
757*	1/2"	1 1/8"	—	—	500	250	5.2 amps.	14 1/8"	8 1/2	9
575	1/2"	1 1/2"	3/4"	—	450	330	10 amps.	16 1/2"	15 3/4	20
575-37	1/2"	1 1/2"	3/4"	—	375	275	10 amps.	16 1/2"	15 3/4	20
575-6	1/2"	1 1/2"	3/4"	—	650	475	10 amps.	16 1/2"	15 3/4	20
575-9	1/2"	1 1/2"	3/4"	—	900	600	10 amps.	16 1/2"	15 3/4	20
575-1	1/2"	1 1/2"	3/4"	—	1200	865	10 amps.	16 1/2"	15 3/4	20
575-3	1/2"	1 1/2"	3/4"	—	3000	2170	10 amps.	16 1/2"	15 3/4	20
576	5/8"	1 3/4"	3/4"	1"	375	275	10 amps.	16 5/8"	16 1/4	21
576-4	5/8"	1 3/4"	3/4"	1"	450	330	10 amps.	16 5/8"	16 1/4	21

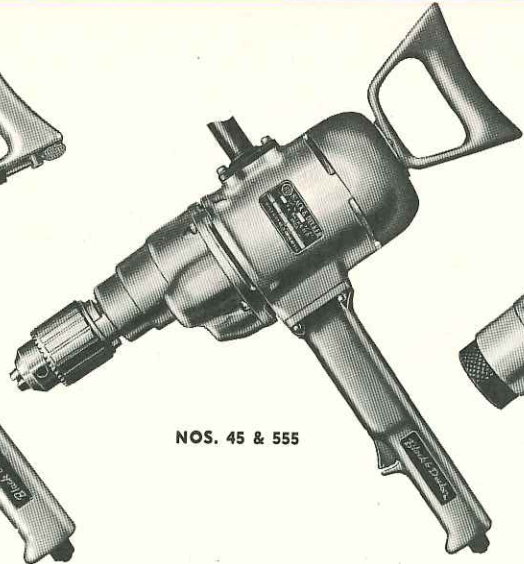
*Equipped with reversing switch.



NO. 644

3/4" H.D. BALL-BEARING DRILL Cat. No. 644

- Reversing Switch—Ring built-in as standard equipment; directs equal driving power either forward or in reverse.
- Taper mounted 'Key-Drive' Geared Chuck assures positive, slip-proof drive both forward and reverse. Chuck is perfectly self-aligning; may be removed or attached in seconds—no press needed. Optional at no extra charge, #2 or #3 Morse Taper Socket.
- Closed-type, heavy-duty ball bearings at spindle and armature shaft provide smooth, efficient power delivery.
- M-L wire in motor withstands high overloads.
- Also runs speed reducers, hoists, light elevators, etc.
- Duty Rating: continuous heavy-duty use.
- Bearings: 6 ball, 2 needle.
- Switches: H. D., double-pole trigger switch and reversing switch.

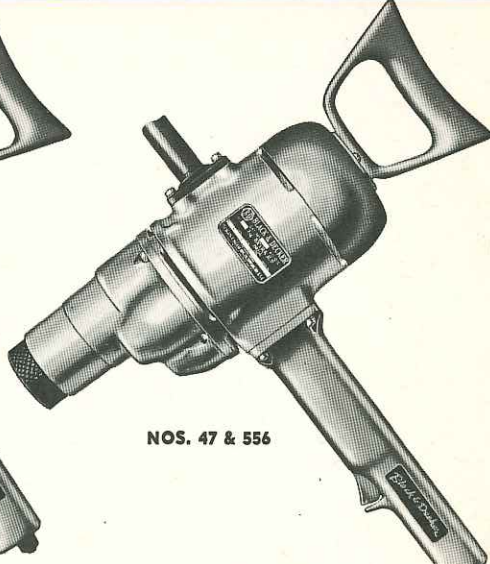
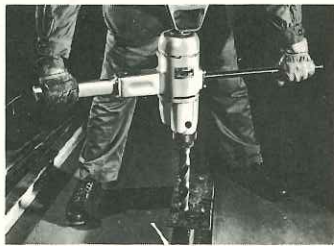


NOS. 45 & 555

3/4" SUPER-DUTY DRILL Cat. Nos. 45 and 555

Extra Heavy-Duty Construction and Performance

- Heavy-duty throughout for continuous production drilling.
- Reversing switch on No. 555.
- Heavy-duty ball-bearings at spindle and armature shaft.
- Precision geared chuck or (optional at no extra cost) #2 or #3 Morse Taper Socket.
- Also runs speed reducers, hoists, light elevators, etc.
- Duty Rating: Continuous heavy-duty use.
- Bearings: 6 ball, 2 roller.
- Switches: H. D., double-pole, trigger switch and reversing switch on No. 555.



NOS. 47 & 556

1" HEAVY-DUTY BALL-BEARING DRILL Cat. Nos. 47 and 556

- A real workhorse for continuous production drilling. Built heavy-duty throughout to handle the toughest jobs.
- Reversing switch on No. 556 permits equal power forward or in reverse.
- Heavy-duty ball-bearings at spindle and armature shaft.
- Precision Morse Taper Socket.
- Also runs speed reducers, hoists, light elevators, etc.
- Duty Rating: continuous heavy-duty use.
- Bearings: 6 ball, 1 lubricant-impregnated.
- Switches: H. D., double-pole trigger switch and reversing switch on 556.



COMPARATIVE SPECIFICATIONS

Standard Voltages (universal motor): 115v or 220V AC/DC (others p. 1) Specify voltage.

Standard Equipment: (for Nos. 644, 45 and 555) Key-Drive taper chuck—optional, No. 2 or No. 3 Morse Taper Socket instead of chuck at no extra charge; (for Nos. 47 and 556) No. 3 Morse Taper Socket; (for No. 644) key holder; detachable pipe handle.

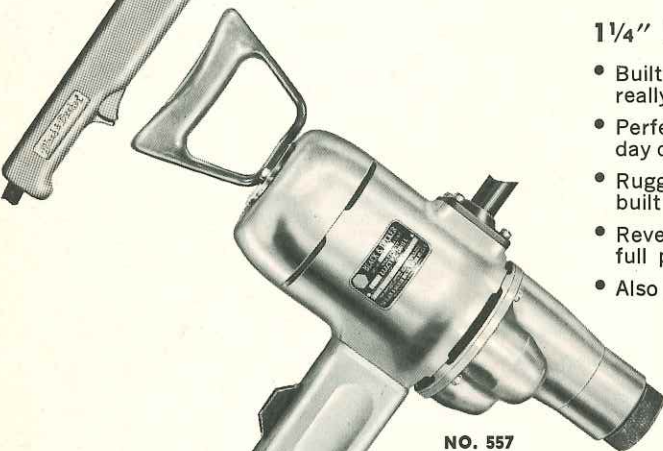
Cat. No.	Drill with rev. sw. Cat. No.	Capacity with chuck		Cap. with #2 MTS	Cap. with #3 MTS	Reaming Capacity		No load RPM	Rated load RPM	Amp. Rating at 115V	Length	Net Wt. lbs.	Ship. Wt. lbs.
						Light	Heavy						
		Steel	Hard wood	Steel	Steel	Steel	Steel						
	644	1 3/16"	2"	3/4"	1"	—	—	375	275	10	17 1/2"	17 1/4	22
45	555	1 3/16"	2"	—	1 1/8"	—	—	375	250	12	21"	25 3/8	35
45-2	555-2	1 3/16"	2"	—	1 1/8"	—	—	275	175	12	21"	25 3/8	35
45-6	555-6	1 3/16"	2"	—	1 1/8"	—	—	600	390	12	21"	25 3/8	35
45-9	555-9	1 3/16"	2"	—	1 1/8"	—	—	900	580	12	21"	25 3/8	35
47	556	—	—	—	1 1/8"	3/4"	5/8"	350	250	12	20"	25 1/2	32
47-2	556-2	—	—	—	1 1/8"	3/4"	5/8"	275	175	12	20"	25 1/2	32
47-6*	556-6*	—	—	—	1 1/8"	3/4"	5/8"	600	390	12	20"	25 1/2	32
47-9*	556-9*	—	—	—	1 1/8"	3/4"	5/8"	900	580	12	20"	25 1/2	32

*Available on special order—please write for delivery information.

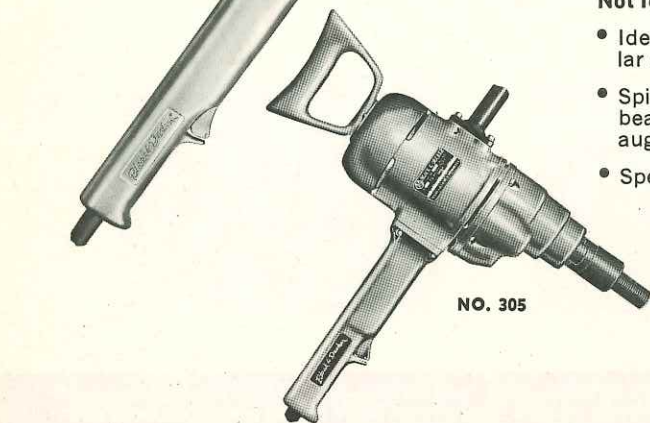
†For drilling small holes: a 3-2 or 3-1 Reducing Sleeve or a Chuck mounted on a Morse Taper Arbor can be used.



NO. 738



NO. 557



NO. 305

REVERSIBLE 1 1/4" HEAVY-DUTY TWO-SPEED DRILL Cat. No. 738

- Heavy-duty throughout for continuous production service.
- Full power in both speeds—forward and reverse.
- Sliding gearshift knob changes speed from 250 to 500 R.P.M.
- Perfect as a Power Unit.
- Closed-type heavy-duty ball-bearings on armature shaft eliminates periodic lubrication. Roller bearings on spindle.
- Ideal for drilling small pilot holes for large drill bits. Both holes can be drilled with one drill and with correct speed for both drill bits.
- Duty Rating: continuous heavy-duty use.
- Bearings: 6 ball, 2 roller.
- Switches: H.D. double-pole, trigger switch and reversing switch.

1 1/4" HEAVY-DUTY BALL-BEARING DRILL Cat. Nos. 494 & 557

- Built with top power to handle the really rough jobs with ease.
- Perfect for dependable day-after-day drilling of large capacity holes.
- Rugged die cast aluminum housing built for maximum durability.
- Reversing switch on No. 557 gives full power forward or in reverse.
- Also runs speed reducers, hoists, light elevators, etc.
- Duty Rating: heavy-duty throughout for continuous production service.
- Bearings: 6 ball, 1 lubricant-impregnated.
- Switches: H.D. double-pole trigger and reversing switch on No. 557.

HEAVY-DUTY COAL DRILL Cat. No. 305

Not for use in gaseous mines—not explosion-proof.

- Ideal for constant service on regular shot-hole drilling.
- Spindle equipped with taper-roller bearings, fits all popular coal auger adaptors.
- Specially heat-treated gears give exceptional hardness for long life.
- Duty Rating: heavy-duty continuous use.
- Bearings: 6 ball, 2 roller.
- Switch: Heavy-duty double pole trigger.

COMPARATIVE SPECIFICATIONS

Standard Equipment: (for Nos. 738, 494 and 557) No. 3 Morse Taper Socket; (for No. 738) gear shift; detachable pipe handle.
Standard Voltages (universal motor): (for Nos. 738, 494 and 557) 115V or 220V AC/DC (others p.1); (for Nos. 305 and 305-6) 115V or 220V AC only. Specify voltage.

Cat. No.	Drill with rev. sw. Cat. No.	Cap. with No. 3 MTS Steel	Reaming Capacity		Coal Drill Spindle male thread	No-load RPM	Rated load RPM	Amps. rating at 115V	Length	Net Wt. lbs.	Ship. Wt. lbs.
			Light Steel	Heavy Steel							
—	738	1 1/2" to 1 1/4"	1"	3/4"	—	250 500	175 300	12	20 3/4"	33 3/4	39
494	557	1 1/4"	1"	3/4"	—	250	160	12	20 1/2"	32	37 1/2
494-3	557-3*	1 1/4"	1"	3/4"	—	350	240	12	20 1/2"	32	37 1/2
494-6*	557-6*	1 1/4"	1"	3/4"	—	600	380	12	20 1/2"	32	37 1/2
494-9*	557-9*	1 1/4"	1"	3/4"	—	900	580	12	20 1/2"	32	37 1/2
305	—	—	—	—	1"—8	375	250	12	20"	25	32
305-6	—	—	—	—	1"—8	600	390	12	20"	25	32

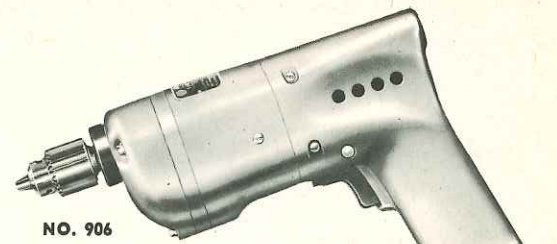
†For drilling smaller holes, a 3-2 or 3-1 Reducing Sleeve or a Chuck mounted on a Morse Taper Arbor can be used.
*Available on special order. Please write for delivery information.



1/4" INDUSTRIAL CORDLESS HOLGUN® DRILL (6 volts)

Cat. No. 906

Cat. No. 906NP 1/4" Industrial Cordless Holgun® Drill, only.
Cat. No. 946 6 volt one pack Industrial Power Pack Charger.



NO. 906

1/4" INDUSTRIAL CORDLESS HOLGUN® DRILL (9 volts)

Cat. No. 909

Cat. No. 909NP 1/4" Industrial Cordless Holgun® Drill, only.
Cat. No. 909-17 1700 R.P.M. 1/4" Industrial Cordless Holgun® Drill.
Cat. No. 909-17NP 1700 R.P.M. 1/4" Industrial Cordless Holgun® Drill only.
Cat. No. 949 9 volt one pack Industrial Power Pack Charger.

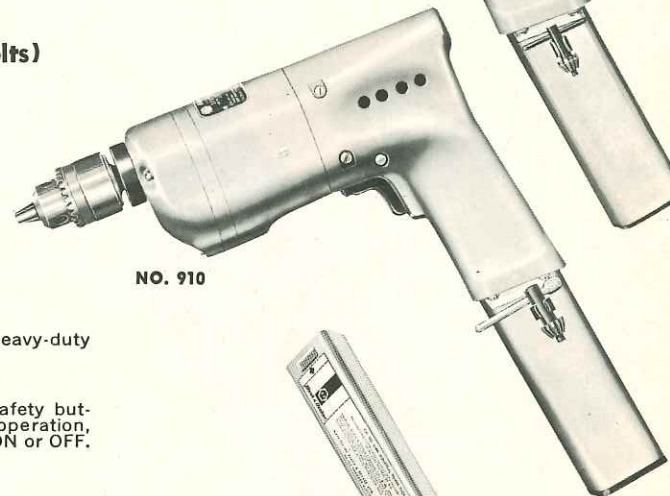


NO. 909

3/8" INDUSTRIAL CORDLESS HOLGUN® DRILL (9 volts)

Cat. No. 910

Cat. No. 910NP 3/8" Industrial Cordless Holgun® Drill, only.
Cat. No. 949 9 volt one pack Industrial Power Pack Charger.



NO. 910

FEATURES OF CORDLESS HOLGUN® DRILLS

- Completely cordless. No belt pack or heavy battery to carry.
- Versatile. Use anywhere.
- Shockproof. Quiet running.
- Fits No. 22148 Drill Stand.
- Power Packs quickly charged—full recharge in 3 1/2 hours.
- Precision geared chuck.
- Duty Rating: continuous heavy-duty use.
- Bearings: 3 ball, 3 needle.
- Switch: H.D. trigger-type. Safety button prevents accidental operation, permits locking unit either ON or OFF.



INDUSTRIAL POWER PACKS

Specially designed silver-cadmium Power Packs are maintenance-free and safety vented. Additional Power Packs are used where job exceeds one-charge drilling capacity of drill or where operator doesn't wish to wait for recharging of Power Packs. Thus continuous drilling can be accomplished.

Cat. No. 51800 6 volt Industrial Power Pack. Ship. Wt. 2 lbs.

Cat. No. 51900 9 volt Industrial Power Pack. Ship. Wt. 2 1/2 lbs.

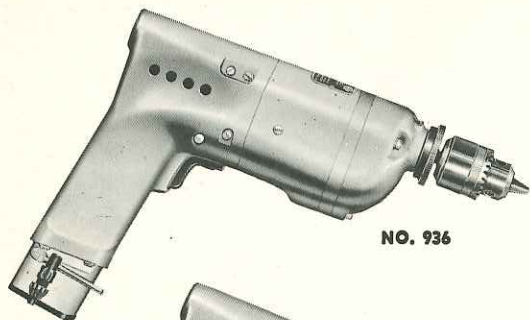
COMPARATIVE SPECIFICATIONS

Standard Equipment: (for No. 906) No. 51800 6-volt Industrial Power Pack; (for Nos. 909 and 910) No. 51900 9-volt Industrial Power Pack; chuck key holder.

Standard Equipment (DC Permanent Magnet Field Motor): 6V DC (for No. 906); 9V DC (for Nos. 909 and 910).

Cat. No.	Steel	Drilling Capacity*						No-load R.P.M.	Rated load R.P.M.	Length	Net Wt. lbs.	Ship Wt. lbs.
		Fir Wood		Hardwood P.B.†	Alum.	Ma- sonry	Hole Saw					
		P.B.†	S.F.†									
906	¼"	¾"	—	—	¼"	¼"	—	800	520	10½"	5⅝	7⅞
909	¼"	1"	—	½"	¼"	½"	1"	800	600	11"	6½	8
909-17	¼"	½"	—	—	⅛"	—	—	1700	1300	11"	6½	8
910	⅜"	1"	¾"	½"	⅜"	½"	1"	800	600	11½"	6¾	8¼

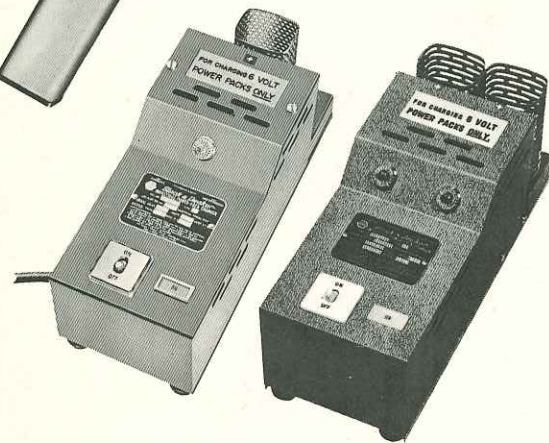
†Power Bore Bit. ‡Self-feed Bit.



NO. 936



NO. 939



3/8" IND. CORDLESS REVERSIBLE SCRUI-DRILL® (6 volts)
Cat. No. 936

Cat. No. 936NP 3/8" Industrial Cordless Rev. Scru-Drill®, only.
Cat. No. 946 6 volt one pack Industrial Power Pack Charger.

3/8" IND. CORDLESS REVERSIBLE SCRUI-DRILL® (9 volts)
Cat. No. 939

Cat. No. 939NP 3/8" Industrial Cordless Rev. Scru-Drill®, only.
Cat. No. 949 9 volt one pack Industrial Power Pack Charger.

FEATURES OF CORDLESS SCRUI-DRILLS®

- Versatile: just a turn of the collar changes tool from Drill to Screwdriver.
- Completely cordless. No belt pack or heavy battery to carry.
- Quiet running. Shockproof.
- Bit idles for finding screw slot.
- Use with 1/4" hex shanks, bits with 1/4" hex shanks and associated Finders and Sockets.
- Power Packs quickly charged.
- Duty Rating: intermittent use.
- Bearings: 2 ball, 3 needle, 2 thrust.
- Switch: trigger-type with safety button which prevents accidental operation and permits locking unit either OFF or ON. Also reversing switch for quick removal of screws and nuts.

INDUSTRIAL POWER PACK CHARGERS

Power Packs for the CORDLESS Drills are partially charged at the factory, therefore before using, they must be fully charged. The Industrial Power Pack Chargers efficiently do this job.

The Standard Industrial Power Pack Charger (115V, AC only) may be plugged into any 110-125V (AC only) outlet. Chargers automatically cease charging when Power Packs are fully charged. Charging time for an uncharged Power Pack is approximately 3 1/2 hours; less time is required for an already partially charged Power Pack. No harm occurs in Power Pack if left in charger longer than required. Four models of Chargers are available for the 2 sizes of Power Packs. Also available in 220V and 240V (AC only).

Cat. No. 946 6 volt One Pack Industrial Power Pack Charger. Ship. Wt. 8 lbs.

Cat. No. 949 9 volt One Pack Industrial Power Pack Charger. Ship. Wt. 8 lbs.

Cat. No. 956 6 volt Two Pack Industrial Power Pack Charger. Ship. Wt. 11 1/2 lbs.

Cat. No. 959 9 volt Two Pack Industrial Power Pack Charger. Ship. Wt. 11 1/2 lbs.

Due to the variations of materials and operator technique, the number of screws that can be driven or number of holes that can be drilled per charge of a Cordless Scru-Drill® Battery cannot be accurately stated. Therefore, it is recommended that you contact your local Black & Decker representative for a demonstration of our Cordless Scru-Drills® on your particular job.

COMPARATIVE SPECIFICATIONS

Standard Equipment: (for No. 936) No. 51800 6 volt Industrial Power Pack; (for No. 939) No. 51900 9 volt Industrial Power Pack; chuck key holder.

Standard Voltage (DC Permanent Magnet Field Motor): 6V DC (for No. 936); 9V DC (for No. 939).

Cat. No.	Steel	Drilling Capacity*					Screwdriving Capacity		No-load RPM	Rated-load RPM	Lgth.	Net Wt. lbs.	Ship. Wt. lbs.
		Fir Wood P.B.†	S.F.‡	Hardwood P.B.†	Alum.	Masonry	Wood	Metal					
936	3/8"	3/4"	—	—	1/4"	1/4"	up to #10 x 1 1/2"	up to #12 self-tapping screws & up to #12 machine screws & nuts	800	520	11 3/4"	6 3/4	7 3/4
939	3/8"	1"	3/4"	1/2"	3/8"	1/2"	up to #12 x 1 1/2"	up to #14 self-tapping screws & up to 1/4" machine screws & nuts	800	600	12 1/4"	7 1/4	8 3/4

*See above for number of holes that can be drilled with one charge.

†Power Bore Bit.

‡Self-Feed Bit.



1/2" INDUSTRIAL CORDLESS 2-SPEED DRILL (12 volts)
Cat. No. 912

Cat. No. 912NP 1/2" Industrial Cordless 2-Speed Drill, only.
Cat. No. 956 6 volt two pack Industrial Power Pack Charger.

1/2" INDUSTRIAL CORDLESS 2-SPEED DRILL (18 volts)
Cat. No. 918

Cat. No. 918NP 1/2" Industrial Cordless 2-Speed Drill, only.
Cat. No. 959 9 volt two pack Industrial Power Pack Charger.

FEATURES OF 2-SPEED CORDLESS DRILLS

- Two-Speed gear mechanism; Drill runs at high or low speeds.
- Completely shockproof; stand in water and operate drill if need arises.
- Completely cordless; quiet in operation; instant trigger-to-chuck response.
- Offset spindle permits 'close-in' drilling.
- Sturdy steel side handles and 2-position removable end handle.
- Power Packs quickly charged.
- Discharged Power Packs quickly, easily changed.
- Excellent in Cat. No. 22145 B&D Drill Stand.
- Duty Rating: continuous heavy-duty use.
- Bearings: 5 ball, 1 roller.
- Switch: heavy-duty trigger-type; safety button prevents accidental operation, permits locking unit either ON or OFF.

Due to the variations of materials and operator technique, the number of holes to be drilled per charge of a Cordless Drill Battery cannot be accurately stated. Therefore, it is recommended that you contact your local Black & Decker representative for a demonstration of our Cordless Drills on your particular job.

COMPARATIVE SPECIFICATIONS

Standard Equipment: (for No. 912) two No. 51800 6 volt Industrial Power Packs; (for No. 918) two No. 51900 9 volt Industrial Power Packs; chuck key holder.

Standard Voltage (DC Permanent Magnet Field Motor): 12V DC (for No. 912); 18V DC (for No. 918).

Cat. No.	Steel	Drilling Capacity*								No-load RPM		Rated-load RPM		Length	Net Wt. lbs.	Ship. Wt. lbs.
		Low Speed				High Speed				Low	High	Low	High			
912	3/8"	2" S.F.†	1 1/2" S.F.‡	1 1/2" S.F.‡	3/8"	1 1/2" S.F.‡	1/4"	3/4" S.F.†	1/4"	300	600	210	440	15 1/4"	14	18 3/4
918	1/2"	2 1/2" S.F.†	2" S.F.‡	2" S.F.‡	1/2"	2" S.F.‡	3/4"	3/4" S.F.†	3/4"	225	550	150	430	15 1/4"	15 3/4	20 1/2

*See above for number of holes that can be drilled with one charge.

†Power Bore Bit.

‡Self-Feed Bit.



NO. 52606



B&D Cordless Drills connected to a 12 volt Wet Cell Battery are perfect for remote location, sustained drilling operations.

Cat. No. 54700 includes Cat. No. 54701 12 volt Wet Cell Battery and Cat. No. 54702 Battery Carrying Case. Ship. Wt. 26¼ lbs.

Cat. No. 54701 12 volt Wet Cell Battery only. Ship. Wt. 23¼ lbs.

Cat. No. 54702 Battery Carrying Case only. Ship. Wt. 3 lbs.

CORDLESS DRILL ACCESSORIES

Cat. No. 52606 Right Angle Attachment. For use with Cat. No. 912 and Cat. No. 918 ½" Industrial Cordless 2-Speed Drills, Ship Weight: 3 lbs.

Cat. No. 54320 Remote Battery Adaptor. For running 6-volt and 9-volt Cordless Holguns® and Scru-Drills® (Cat. Nos. 906, 909, 910, 936, 939) on wet-cell battery. 6-volt units require 6-volt wet-cell battery. 9-volt units should be used with 12-volt wet-cell battery. Ship weight: 3 lbs.

Cat. No. 54310 Remote 12-Volt Battery Adapter Set. For running Cat. No. 912 ½" Industrial Cordless 2-Speed Drill (12 volts) on 12-volt wet-cell battery. Ship weight: 3½ lbs.

CORDLESS ELECTRIC HEDGE TRIMMER Cat. No. C-671

World's first hedge trimmer that works without an electric cord or portable generator. The entire, lightweight unit (6½ lbs.) is easily held in one hand. Its power will amaze you as it quietly zips through the toughest hedge and shrubs. And, it's completely shockproof!

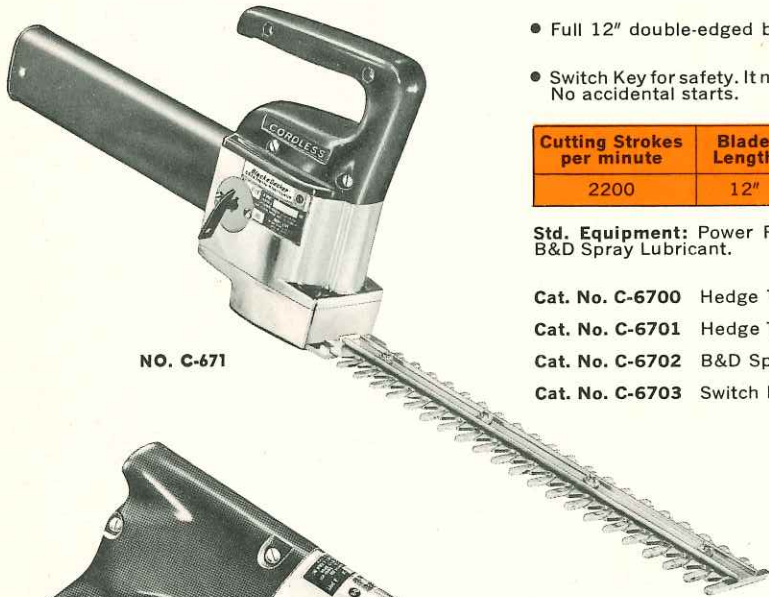
- Brand-new B&D motor is designed and built with the care and accuracy of a fine watch. Special precision roller and ball bearings make it ultra-efficient, with a quietness like no other trimmer.

- Power source is nickel cadmium battery in handle. On one charge the CORDLESS can trim an average hedge 3' high and 200' long. Power Pack can be recharged overnight.
- Full 12" double-edged blade delivers 2200 cutting strokes per minute.
- Switch Key for safety. It must be inserted and turned before the trimmer will operate. No accidental starts.

Cutting Strokes per minute	Blade Length	Blade Width	Overall Length	Overall Height	Net Wt.	Ship. Wt.
2200	12"	2½"	25⅞"	7½"	6½ lbs.	11 lbs.

Std. Equipment: Power Pack, Power Pack Charger, 2 Switch Keys, 6 oz. can of B&D Spray Lubricant.

- Cat. No. C-6700** Hedge Trimmer Power Pack Charger. Ship. Wt. 3 lbs.
- Cat. No. C-6701** Hedge Trimmer Repl. Power Pack. Ship. Wt. 2½ lbs.
- Cat. No. C-6702** B&D Spray Lubricant—6 oz. can. Ship. Wt. ¾ lb.
- Cat. No. C-6703** Switch Key. Ship. Wt. ¾ oz.



NO. C-671



NO. C-601

¼" CORDLESS ELECTRIC DRILL Cat. No. C-601

- Lowest priced Cordless Drill.
- No Cord. No Plug. No Outlet.
- Shockproof. Safe.
- Powered by a self-contained Power Pack.
- Full recharge takes 10 hours with B&D Power Pack Charger that connects to any conventional 110-120 volt AC/DC outlet.
- **Duty Rating:** light, intermittent use.
- **Bearings:** 4 needle.
- **Switch:** H.D. trigger type. Safety button prevents accidental operation, permits locking unit either ON or OFF.

Drilling Capacity				No load RPM	Rated load RPM	Lgth. ins.	Net Wt. lbs.	Ship. Wt. lbs.
Steel	Fir Wood	Alum.	Masonry					
¼"	*	¼"	¾"	800	670	8½"	4	4¾

*On a single charge, drills 300 ¼" or 200 ¼" or 75 ½" holes in Fir wood.

Standard Equipment: Cat. No. C-6000 Power Pack Charger.

Std. Voltage (DC Permanent Magnet Field Motor): 6V DC.

Cat. No. C-600 ¼" Cordless Electric Drill, only.

Cat. No. C-6000 Power Pack Charger. Used for recharging Cordless Electric Drill, above. Ship. Wt. 1 lb.



NO. C-6000



HEAVY-DUTY POWER UNITS

Versatile, Dependable Power for a Wide Variety of Applications

A complete line of Heavy-Duty Power Units and Core Drill Motors are built by Black & Decker. These supply steady, economical power for a wide variety of applications. Some of the jobs for which they have been used are:

- Run an elevator to hoist building materials.
- Operate winch for unloading piggy-back trailers from freight cars.
- Operate plaster-mixing machine for tile contractor.
- Power unit for ice cream manufacturing machine.
- Drive core-drilling apparatus.
- Raise and lower basketball backboards in gymnasium.
- Used as a gear box for wire-stripping machine.
- Used for changing elevation of bottling table in soft drink industry.
- Used to power mobile scaffolding for window-cleaning outside of buildings.

Please write to our Customer Service Dept. Hampstead, Maryland for complete information on this versatile B&D equipment.



1¼" Core Drill

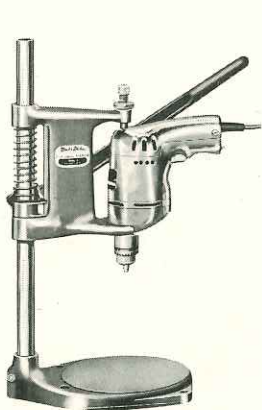


2-Speed Super Power Unit

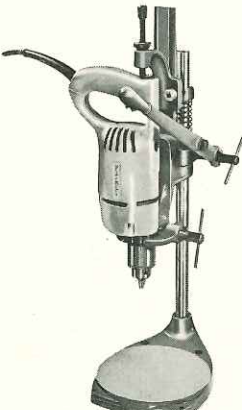
BENCH DRILL STANDS

INCREASE the usefulness of Black & Decker Drills, Screw Drivers and Tappers by converting the portable unit to a drill press for heavy-duty work. Available in Bench type for all sizes.

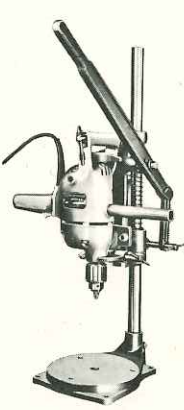
Handle leverage multiplies working pressure; feeds smoothly for accurate work. Tool bracket is adjustable for height and radial position.



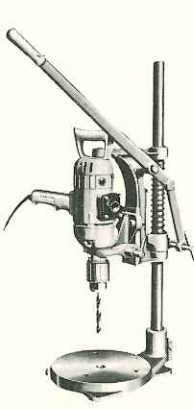
NO. 39020



NO. 22148



NO. 22145



NO. 13857



NO. 26607

Cat. No.	Max. Feed	C/L of Bit to C/L of Column	Net Wt. lbs.	Ship. Wt. lbs.	Use with tools listed below
39020	2¾"	5¼"	8	10	Nos. 711, 680 & 725 ¼" Drills; ¼" Special (type D) & ¾" Special Drills; ¼" & ¾" Std. Holgun® Drills; No. 880 ¼" All-Insulated Drills; ¾" Scru-Drill.
22148	2"	5¼"	11	14	¼" & ¾" H.D. Holgun® Drills; ¼" Special (types A, B & C), ¼" Std., ¼" H.D., ⅝" H.D. and ¾" Std. Drills; ¼", ⅝", ¾" & 1" H.D. (but not Rev. ½" H.D.) End Handle Drills. Also Scrugun® Screwdrivers; Tappgun® Tappers; and Nos. 14 & 18 Screwdrivers; ¼" & ¾" Ind. Cordless Holgun® Drills; ¾" 2-Speed H.D. Drill.
22145	4"	6"	17	20	¾" H.D., ½" Special, ½" Junior, ½" Std. & ½" H.D. Drills; ¾" & ½" Ind. 2-Speed Cordless Drills.
13857	4"	8"	50	59	All B&D side-handle Drills from ½" S.D. to 1" H.D.
26607	4"	12"	83	98	1¼" H.D. Drill.

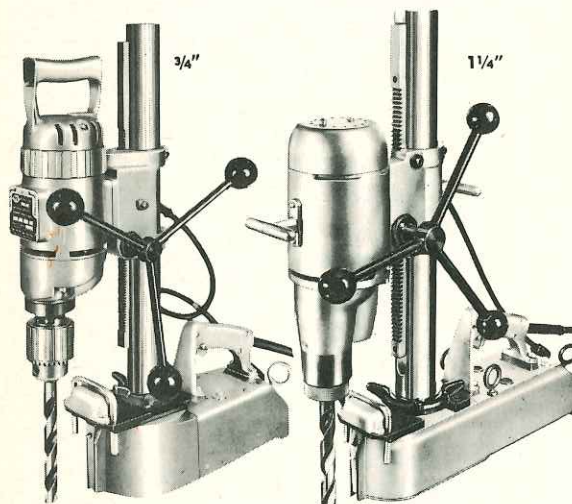


Hydra-Power Feed Pump shown in use above is accessory equipment (see below) available at extra cost.

MAGNETIC DRILL PRESSES

The accuracy of a stationary Drill Press and the versatility of a Portable Drill are built into these easily carried, 2-piece units. Basically, the Magnetic Drill Press handles drilling jobs that are extremely difficult or practically impossible with conventional portable or stationary equipment. It seats itself magnetically—upside down or at any angle on a ferrous metal thickness of 1/2" or more (back-up plates should be used on lighter gages)

—and drills by hand-lever pressure or by a convenient, remote-control "Hydra-Power Feed" (accessory equipment—see below). B&D Motor supplies full power to the Drill Unit. Motor rotation can be reversed with equal power in both directions. Magnet Base (see below) can be used separately as a powerful holding device for welding or fastening operations.



1 1/4" H.D. TWO SPEED MAGNETIC DRILL PRESS

Cat. No. 741 250 & 500 R.P.M.

The 1 1/4" H.D. TWO-SPEED Magnetic Drill Press gives full power in both speeds—forward and in reverse. A sliding gear shift knob changes no-load R.P.M. to either 250 or 500—even while motor is running. The two-speed feature makes possible a practical drilling speed for drilling holes from 1 1/4" down to 5/8" with the included No. 3 Morse Taper

Socket. This is particularly useful when drilling small pilot holes for large drill bits. Both sized holes can be drilled with one Drill and with the correct speed for both drill bits.

For drilling smaller holes, a 3-2 or 3-1 Reducing Sleeve or a Chuck mounted on a Morse Taper Arbor (see next page) can be used. See specifications in column below.

3/4" H. D. MAGNETIC DRILL PRESS

Cat. No. 674 375 R.P.M.

*Cat. No. 674-6 650 R.P.M.

*Cat. No. 674-4 450 R.P.M.

*Cat. No. 674-9 900 R.P.M.

SPECIFICATIONS	Cat. No. 674 3/4" Model	Cat. No. 741 1 1/4" Two Speed Model
Drilling Capacity (in steel)	1/4" to 1 1/8" ①	1/2" to 1 1/4" ②
Tapping Capacity (in steel)	1 1/8"	1"
Reaming Capacity Light (in steel): Heavy	5/8" 1 1/2"	1" 3/4"
No-Load Speed	375 R.P.M.*	250 & 500 R.P.M.
Rated-load Speed	275 R.P.M.	175 & 315 R.P.M.
Reversing Switch	Yes	Yes
Std. Voltages (others p. 1)	115 or 220v., AC/DC	115 or 220v., AC/DC
Rated Amps. at 115v	10	12
Length of Drill Stroke	12"	15"
Direct Magnetic Pull	1850 lbs.	3000 lbs.
Drill Point Pressure (with base in horizontal position —on 1/2" thick flat steel)	1100-1200 lbs.	1800-2000 lbs.
Overall Height	30 3/8"	31"
Magnet Base Size—Length	15 1/2"	18 3/8"
Width	5 1/2"	4 1/8"
Safety Chain Length	5 ft.	5 ft.
Magnet Unit Net Weight	32 1/2 lbs.	53 lbs.
Drill Unit Net Weight	28 lbs.	46 lbs.
Total Shipping Weight	73 lbs.	116 1/2 lbs.

Std. Equip.: (all units): 5' Safety chain; Magnet Base with headlight, pilot light and drill point locator, safety trigger switch with locking button, reversing switch.

- ① Optional—No. 2 or No. 3 Morse Taper Socket instead of chuck, no extra charge.
② For drilling smaller holes, a 3-2 or 3-1 Reducing Sleeve or a Chuck mounted on a Morse Taper Arbor can be used.

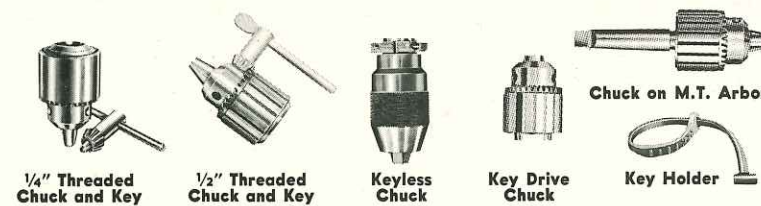
*Optional Speeds—Available on Special Order.

MAGNETIC DRILL PRESS BASE Cat. No. 649

Perfect for holding two pieces of ferrous metal together while welding. Also, handy for holding steel sheets together during fastening operations. Two handles permit easy handling. Eye bolts allow overhead suspension with chain if desired. Safety light indicates when Base is magnetized. 18 3/8" long, 4 1/8" wide. Net wt. 55 lbs., Ship wt. 57 lbs.



DRILL CHUCKS, KEYS, KEY HOLDERS



Chuck Capacity **	Spindle Connection †	Chuck & Key B&D Cat. No. (Jacobs No.) Supreme No.	Key Only B&D Cat. No. (Jacobs No.) Supreme No.	Key Holder Cat. No.	Used on These Units
1/4" Th.	3/8"-24 thd. (M)	45354 (MC-1G41) (MC2) (MC1) HM1A, H1A	45355 (KG)	34518	1/4" Util. Drills, 1/4" All-Purpose Drill, 5" Sander-Polisher, Power Driver, 1/4" Std. Holgun (E) 1/4" Spl. Drill (D) 1/4" Drill (AA)
1/4" Th.	3/8"-24 thd. (F)	55313 (MC1G61)	45355 (KG)	34518	Hammer-Gun, 1/4" Std. Holgun (F)
1/4" Th.	3/8"-24 thd. (F)	23226 (1B-3/8-24) 1A	3030-T (K1) 1	34518	Shorty Drills (all types), 1/4" Holgun (A), 1/4" Junior (B), 1/4" Cordless Holguns
1/4" Th.	1/2"-20 thd. (F)	23227 (7B-1/2-20) 4B	7705-L (K7) 4	34518	1/4" H.D. Drills (H to N), 1/4" Std. Drills (B, C, CP, CSP, D)
1/4" Th.	3/8"-24 thd. (F)	23762 (7B-3/8-24) 4A	7705-L (K7) 4	34518	1/4" Holgun (B), All 1/4" H.D. Holguns
1/4" Key-less	1/2"-20 thd. (F)	49639 Completely hand tightened			1/4" H.D. (types H to N), 1/4" Std., 5/16" H.D. (L to T), 3/8" H.D. (N to T), Drills.
5/16" Key-less	1/2"-20 thd. (F)	49640 Completely hand tightened			1/2" Junior (B), 1/2" Std. (B), 1/2" Spl. (E) Drills.
5/16" Th.	1/2"-20 thd. (F)	23228 (30B-1/2-20)	6133-L (K30)	34519	5/16" Util. 5/16" H.D. (L to V).
3/8" Th.	3/8"-24 thd. (M)	54463 (MC4K41E)	46164 (KK)	34519	3/8" 2-Speed H.D. Drill.
3/8" Th.	1/2"-20 thd. (F)	23229 (32B) 3B	4794-L (K32) 5	34519	3/8" Std., 3/8" H.D. (N to T), 3/8" Util. (M to V), 3/8" Cordless 2-Speed Drills
3/8" Th.	3/8"-24 thd. (M)	58286 (MC4K41)	46164 (KK)	34519	3/8" Std. Holgun (A), 3/8" Utility Drill, 3/8" Special Drill, 3/8" Cordless Holgun
3/8" Th.	3/8"-24 thd. (F)	58144 (MC4K61)	46164 (KK)	34519	3/8" Std. Holgun (B)
3/8" Th.	3/8"-24 thd. (F)	26299 (2B)	1536-L (K2)		3/8" H.D. Holgun 3/8" Cordless Holgun
3/8" Ta.		46110 (MC4K01)	46164 (KK)		3/8" Scru-Drill 3/8" Cordless Scru-Drill
1/2" Th.	1/2"-20 thd. (M)	52114 (MC8K64)	46164 (KK) 4794-L (K32) 5	34519	1/2" Spl. Drill (F) 1/2" Util. Drill (A) 1/2" H.D. End Handle Drill #746
1/2" Th.	1/2"-20 thd. (F)	23230 (33B-1/2-20) 5B	4794-L (K32) 5	34519	1/2" Junior (B), 1/2" Std. (B), 1/2" Util. (E, F), 1/2" H.D. (M), 1/2" Special (E), 1/2" Cordless 2-Speed Drill
1/2" Th.	1/2"-20 thd. (F)	23230 (33B-1/2-20)	4794-L (K32)	34519	Hammer-Drill
1/2" Ta.		9480 (34)	1534-L (K3)		1/2" H.D. (A to E), 1/2" Spl. (C, D)
1/2" Ta.		15839 (33)	4794-L (K32)		Rev 1/2" Special (FR)
1/2" Ta.		52115 (MC8K64)	46164 (KK)	34519	Rev. 1/2" H.D. End Hdl. Drill
1/2" K.D.		38231 (34KD)	1534-L (K3)		1/2" H.D. (F), 1/2" S-D. (F, FC)
1/2" Key-less	1/2" Sq. drive	45429 (64-39)			No. 624 Impact Wrench
3/8" 5/8" K.D.		38233 (3KD)	1534-L (K3)		3/8" H.D. (F)
3/4" Ta.		9522 (36)	9522-L (K4)		3/4" Std. (E) 3/4" H.D. (N), 3/4" Util. (A), 3/4" H.D. (L)
3/4" 3/4" K.D.		45171 (37KD)	9225-L (K4)		3/4" Std. (F), 3/4" H.D. Mag. Drill Press, 3/4" H.D. (M), 3/4" Extra H.D. (M), 3/4" S-D. (M, MR)

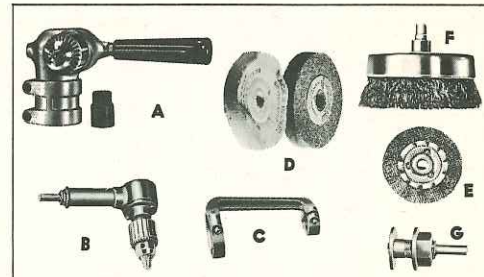
*Includes chuck with nut and body wrench and hex. key.

**Th.—Threaded; Ta.—Tapered; K.D.—Key-Drive.

†(M)—male thread; (F)—female thread.

Note: Check manufacturer's number on chuck and indicate proper chuck key number when ordering Key only and order by B & D Catalog Number.

DRILL ACCESSORIES



A H.D. RIGHT ANGLE ATTACHMENTS

Drill R.P.M. can be increased to 1 1/2 times original speed or reduced to 2/3 of original speed. Chuck not included—use chuck of drill.
Cat. No. 49348 Use with B&D 1/4", 5/16", 3/8" & 1/2" H.D. End Handle Drills non-reversing only.
Cat. No. 52606 Use with 3/8" & 1/2" B&D Cordless Drills.

B RIGHT ANGLE HEAD & BRACKETS

B Cat. No. 50556 Right Angle Head. Equipped with 1/2" 3-jaw gear chuck. Fits 1/2" Std., 3/8" H.D., 1/2" H.D. (F), 3/8" H.D. (F), and 3/4" H.D. Drills.

C Cat. No. 50555 Right Angle Head Bracket. (Fits No. 50556 Head, above). For 1/2" Std. or 3/8" H.D. Drills.

C Cat. No. 50559 Right Angle Head Bracket. (Fits No. 50556 Head, above). For 1/2" H.D. (F), 3/8" H.D. (F), 3/4" H.D. Drills.

D GRINDING AND BUFFING WHEELS

Use with 1/4" to 1/2" Drills and Wheel Arbors. See p. 45 for larger wheels for Bench Grinders, etc.

Cat. No. 39024 3" x 1/2" x 1/2" Med. Grit Grind Wheel.*
Cat. No. 39015 3" x 3/8" x 1/2" Cotton Buff.

E WIRE WHEEL BRUSHES

Use with 1/4" Drills in cleaning and removing rust, scale, old paint.

See p. 46 for complete listing of Wire Brushes.

Cat. No. 39008 4" Fine Brush.**

Cat. No. 39009 4" Coarse Brush.**

F 3" WIRE CUP BRUSH

Use with 1/4" Drills in cleaning and removing rust, scale, old paint.

Cat. No. 39014 (straight chuck shank).**

See p. 46 for Wire Cup Brushes for use with production Sanders.

SEE PAGE 46 FOR MORE WIRE BRUSHES

G WHEEL ARBORS

Fit 1/4" to 1/2" Drills. Carry grinding wheels, wire wheel brushes and buffing wheels.

Cat. No. 39026 1/4" Arbor (1/2" dia., 1/4" shank).

Cat. No. 8449 1/2" Arbor (1/2" dia., 1/2" shank).

Cat. No. 23041 Sanding Pad Arbor (5/8"-11 thd., 1/4" shank). Holds No. 33489 Rubber Pad.

Cat. No. 33489 5" Rubber Pad with Clamp Washer for use with No. 23041 Arbor listed above.

MORSE TAPER EQUIPMENT

Cat. No. 10601 3/4" Chuck with No. 3 M. T. A., to fit 1" and 1 1/4" Drills.

Cat. No. 38790 No. 2 Morse Taper Socket (fits 5/8" H.D. & 3/4" Std. (F), 3/4" H.D. Drills and 3/4" Mag. Drill Press).

Cat. No. 38791 No. 2 M.T.S. (fits 1/2" H.D. Drill, Type F).

Cat. No. 38792 No. 3 Morse Taper Socket (fits 5/8" H.D. & 3/4" Std. (F), 3/4" H.D. Drills and 3/4" Mag. Drill Press).

LUBRICANT

For Drills, Tappers, Screwdrivers, Sanders, Port. Grinders and Shears.

No. 23638 1 lb. Can Std. Gear Grease.

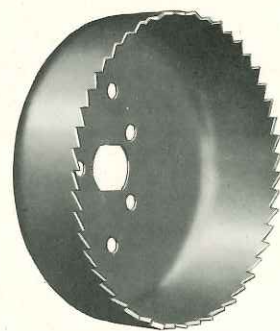
No. 32907 5 lb. Can Std. Gear Grease.

*Quantity Discount: 5-24 less 5%; 25 or more less 10%.

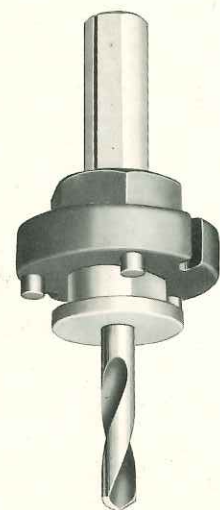
**Quantity Discount: 10-49 less 5%; 50 or more less 10%.

No. 649





HIGH SPEED HOLE SAW



HIGH SPEED MANDREL

HOLE SAWS

Black & Decker Hole Saws will cut clean, round holes in any material a hack saw will cut. Each Hole Saw has hand sharpened teeth—each tooth is of uniform structure. For long life on production hole cutting, we recommend the super quality of High Speed Hole Saws. They

can be used with any Electric Drill or spindle equipped with the correct chucking device, but the power and speed of the spindle will govern the size of the Hole Saw to be used and the results obtained.

On 1/4" Electric Drills.....not larger than 1 1/8" Hole Saws
On 3/8" Electric Drills.....not larger than 1 1/2" Hole Saws
On 1/2" Electric Drills.....not larger than 3 1/2" Hole Saws

HIGH SPEED HOLE SAWS

Saw Out- side Diam.	Cat. No.	Use with Mandrels		For Con- duit Sizes	For Pipe Tap Sizes
		For 1/2" or Larger Drills	For 1/4", 5/16" or 3/8" Drills		
5/8"	36468	*	*		
3/4"	21747	14903	22181	3/8"	
7/8"	21748	14903	22181	1/2"	
1 5/16"	21749	14903	22181		3/4"
1"	21771	14903	22181		
1 1/16"	22809	14903	22181		
1 1/8"	21772	14903	22181	3/4"	
1 3/16"	21773	14903	22181		1"
1 1/4"	21781	14904	22182		
1 3/8"	21782	14904	22182	1"	
1 1/2"	21783	14904	22182		1 1/4"
1 5/8"	21784	14904			
1 3/4"	21785	14904		1 1/4"	1 1/2"
1 7/8"	21786	14904			
2"	21787	18028		1 1/2"	
2 1/16"	21788	18028			
2 1/8"	21789	18028			
2 1/4"	21790	18028			2"
2 3/8"	21791	18028			
2 1/2"	21792	18028		2"	
2 5/8"	21793	18028			
2 3/4"	21794	18028			2 1/2"
2 7/8"	21795	18028			
3"	21796	18028		2 1/2"	
3 1/8"	21797	18028			
3 1/4"	21798	18028			3"
3 1/2"	21799	18028		3"	
3 5/8"	27166	18028			
3 3/4"	36454	18028			
3 7/8"	36455	18028			
4"	21800	18028		3 1/2"	

*5/8" Hole Saw has built-in Mandrel; no separate Mandrel supplied.

HIGH SPEED HOLE SAW MANDRELS for 1/4", 5/16" and 3/8" Drills

(For Use Only with High Speed Hole Saws)

Cat. No. 22181 Mandrel with Pilot Drill (to fit 3/4" to 1 1/16" Hole Saws).
Cat. No. 22182 Mandrel with Pilot Drill (to fit 1 1/4" to 1 1/2" Hole Saws).
Cat. No. 22192 Pilot Drill only, for above Mandrels.

HIGH SPEED HOLE SAW MANDRELS for 1/2" and larger Drills

Cat. No. 14903 Mandrel with Pilot Drill (to fit 3/4" to 1 3/16" Hole Saws).
Cat. No. 14904 Mandrel with Pilot Drill (to fit 1 1/4" to 1 7/8" Hole Saws).
Cat. No. 18028 Mandrel with Pilot Drill (to fit 2" to 4" Hole Saws).
Cat. No. 14935 Pilot Drill only, for above Mandrels.

SPECIAL HOLE SAWS For home insulation and other special uses, use coarse-tooth Hole Saw with 1 3/4" depth-of-cut listed below and No. 24578 Special Mandrel, below.

Cat. No. 24576 2 1/2" Diameter Special Depth Hole Saw.
Cat. No. 24578 Special Mandrel with Pilot Drill to be used with above Hole Saw.
Cat. No. 24577 Pilot Drill for No. 24578 Mandrel.



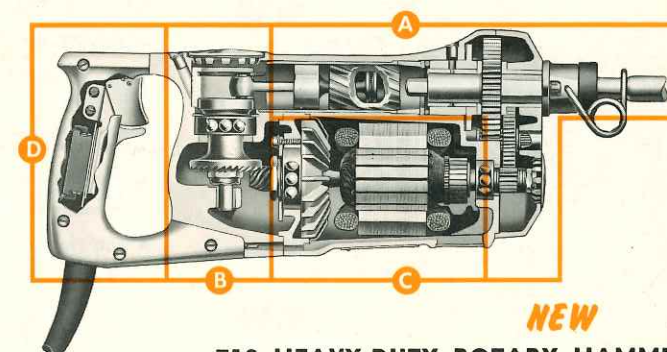
HERE ARE TOOLS FOR EVERY HAMMERING AND MASONRY DRILLING JOB!
CHECK THE LONG-LIFE FEATURES.

- A. Controlled air pressure, actually a compressed air 'spring' eliminates need for any metallic spring. • Smooth idling action. • Friction-drive protects operator if hammer bit locks in hole. Torque adjustment can be easily set by removing snap-in plug button. • Lubricant mist covers all moving parts. • Tool retaining cap prevents hammer tools, such as bull points, seam tools, etc. from rotating. • Specially heat-treated spur gears.
- B. Wear-resistant steel with oil grooves used in connecting rod bearing. • Heavy-duty sealed ball-bearings. • Rugged alum-

inum housing. • Unique felt oiler provides extended lubrication protection for reciprocating mechanism. Does not require daily filling. • Heat-treated hypoid gearing.

- C. • Motor lead wires have spirally wound reinforcing to prevent breakage. • Brush Holders exclude dirt. • Easy access to brushes through screw-in caps. • Long brush life. • M-L wire in motor withstands high overloads. • Efficient cooling system keeps hammer temperature at a minimum.

- D. • Heavy-duty double-pole trigger switch. • Heavy-duty 3-wire cable and plug.



718 HEAVY-DUTY ROTARY HAMMER
fastest, lightest, lowest priced in its class!

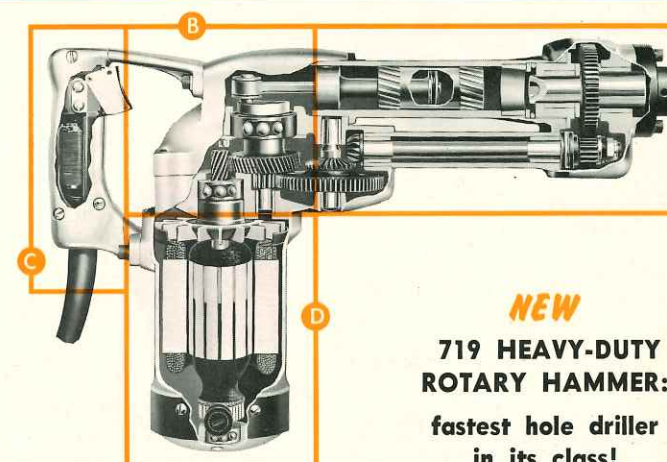
- A. "Meehanite" Barrel, easily removed as a unit, has superior resistance to external and internal wear. • Controlled air pressure, actually a compressed air 'spring' in barrel, eliminates need for any metallic spring. • Smooth idling action. • Friction-drive protects operator if hammer bit locks in hole. • Lubricant mist covers all moving parts. • Tool retainer cap prevents hammer tools, such as bull points, seam tools, etc. from rotating. • Specially heat-treated alloy gears.

- B. Wear-resistant steel with

oil grooves used in connecting rod bearing. • Heavy-duty sealed ball-bearings. • Rugged aluminum housing.

- C. Single-pole heavy-duty trigger switch. • Heavy-duty 3 wire cable and plug.

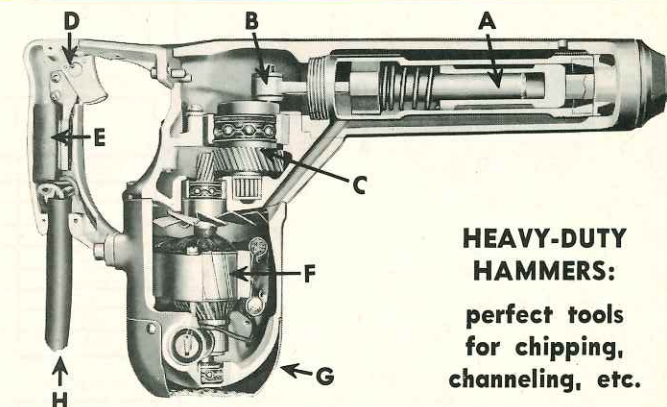
- D. Motor lead wires are spirally wound to prevent breakage due to vibration. • Brush Holders exclude dirt. • Steel wear-ring protects brush holder caps. • Long brush life. • M-L wire in motor withstands high overloads. • Efficient cooling system keeps hammer temperature at a minimum.



719 HEAVY-DUTY ROTARY HAMMER:
fastest hole driller in its class!

- A. Heat-treated piston and ram.
B. Heat-treated crank and connecting rod.
C. Heat-treated helical gears, ball-and roller-bearing mounted.

- D. Heavy-duty trigger switch.
E. Pistol-grip handle.
F. Universal motor ball-bearing mounted.
G. Light . . . extra rugged . . . aluminum housings.
H. Three-conductor cable.

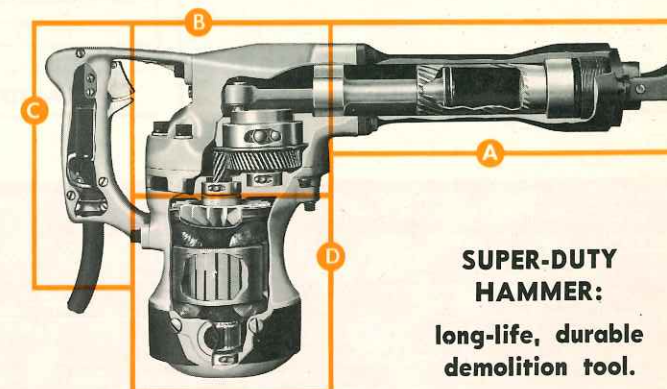


HEAVY-DUTY HAMMERS:
perfect tools for chipping, channeling, etc.

- A. "Meehanite" Barrel, easily removed as a unit, has superior resistance to external and internal wear. • Controlled air pressure, actually a compressed air 'spring' in barrel, eliminates need for any metallic spring. • Smoother idling action. • A neoprene backed, felt seal around tool shank protects mechanism from dust damage. • Lubricant mist covers all moving parts. • Improved front tool retainer.
- B. • Strengthened castings are held with hardened socket head cap screws.

- C. Greatly strengthened mounting for single-pole, heavy-duty switch. • Heavy-duty, 3-conductor cable and plug.

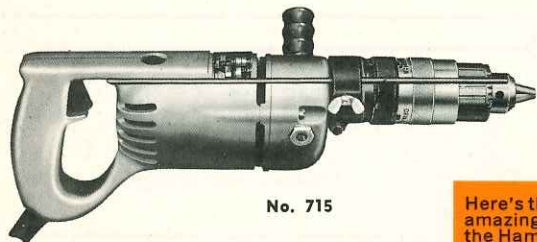
- D. Special motor laminations and centrifugal fan, result in cooler running motor. • Motor lead wires have spirally wound reinforcing to prevent breakage due to vibration. • Brush Holders exclude dirt. • Steel wear-ring protects and retains brush holder caps. • Considerably improved brush life.



SUPER-DUTY HAMMER:
long-life, durable demolition tool.



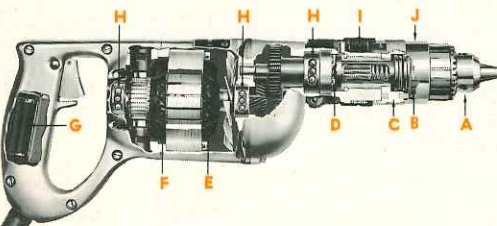
No. 714



No. 715

Here's the amazing way the Hammer-Gun and Hammer-Drill perform in 1-2-4 concrete* with percussion carbide bits.

It pays to keep Carbide Bits sharp. See your B&D Distributor or B&D Service Branch for Bit Sharpening Service.



HEAVY-DUTY HAMMER-DRILL: medium range hammer and drill

- A. Heavy-duty industrial chuck.
- B. Heavy-duty ball thrust bearing.
- C. Felt seals protect mechanism from dust.
- D. Long-life impacting members.
- E. Cool-running motor.
- F. Reinforced armature leads give break-free connections.
- G. Heavy-duty double-pole switch.
- H. Heavy-duty ball bearings.
- I. Sturdy cast iron mechanism housing.
- J. Exclusive convenient shift collar.

HEAVY-DUTY HAMMER-GUN* HEAVY-DUTY HAMMER-DRILL

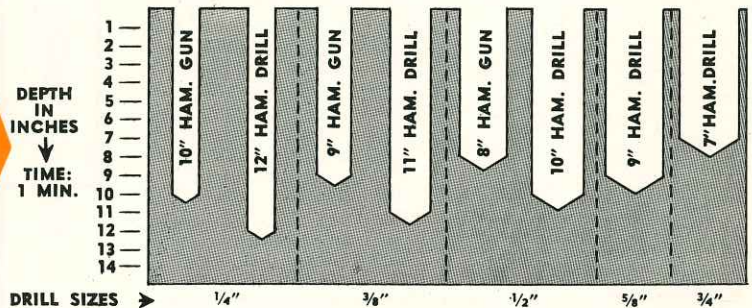
Cat. No. 714 Cat. No. 715

- The Most Powerful Hammers you can pick for their size.
- Each tool will drill holes in masonry faster than anything in their class.
- The Hammer-Gun* is perfect for rapid, effortless drilling of 3/16" through 1/2" masonry anchor holes.
- The Hammer-Drill is the fastest tool around for drilling 3/4" diameter and smaller holes.
- Convenient Depth Gage gives accurate hole depth every time.
- Bits last longer than if used in "non-percussion" type regular drill.
- Exclusive B&D Shift Mechanism: a turn of the locking collar converts tool from percussion drilling in concrete, brick, tile, etc. to direct drilling in steel or wood.
- Duty Rating: (714) general purpose; (715) continuous heavy-duty use.
- Bearings: (for Hammer-Gun) 3 ball, 2 needle, 1 oil impregnated, 1 bronze, 1 thrust; (for Hammer-Drill) 3 ball, 3 needle, 1 ball thrust, 1 bronze.
- Switch: (Hammer Drill) H.D. double pole, trigger; (Hammer-Gun) H.D. single pole trigger.
- Chuck: heavy-duty industrial chuck on Hammer-Drill.

ACCESSORY FOR HAMMER-GUN: Cat. No. 57714 Dust Shield. Protects tool from abrasive dust.

ACCESSORY FOR HAMMER-DRILL: Cat. No. 58309 Dust Shield.

*T.M.



*Concrete Mix: 1 part cement, 2 parts sand, 4 parts gravel. Variations in time may occur due to type of aggregate, concrete hardness, Bit sharpness and operator technique.

HAMMER-GUN PERCUSS. CARBIDE BITS

Cat. No.	Bit Diam.	Usable Drilling Depth
51780	3/16"	2 3/4"
51060	1/4"	2 3/4"
51781	9/32"	2 3/4"
55573	5/16"	2 3/4"
55574	3/8"	2 3/4"
55575	7/16"	4 1/4"
55576	1 1/32"	4 1/4"
55577	1/2"	4 1/4"
56932	9/16"	4 1/4"

HAMMER-GUN CARBIDE BITS

Cat. No.	Bit Diam.	Usable Drilling Depth
55702	3/16"	1 1/2"
55703	1/4"	2"
55704	5/16"	2 1/4"
55705	3/8"	2 1/2"
55706	1/2"	2 1/2"

HAMMER-GUN PERCUSS. CARBIDE BITS

Cat. No.	Bit Diam.	Usable Drilling Depth
51060	1/4"	4 1/4"
51780	3/16"	2 3/4"
51781	9/32"	2 3/4"
51061	5/16"	2 3/4"
51062	3/8"	2 3/4"
51782	3/8"	10 1/4"
51063	7/16"	4 1/4"
51361	1 1/32"	4 1/4"
51064	1/2"	4 1/4"
51065	9/16"	4 1/4"
51066	5/8"	4 1/4"
51067	1 1/16"	4 1/4"
51068	3/4"	4 1/4"

**QUANTITY DISCOUNT: 10-49 LESS 5%; 50 OR MORE LESS 10%.

COMPARATIVE SPECIFICATIONS

Standard Equipment: depth gage; (for No. 715) No. 51064 1/2" x 6" Percussion Carbide Bit; (for No. 714) No. 55703 1/4" Carbide Bit and Steel Kit box; (for No. 715) reversible side handle.

Standard Voltages (universal motor): 115V or 220V AC/DC. Specify voltage.

Cat. No.	Drilling Capacity				Hole Saw Capacity		No-load RPM	Rated load RPM	Amps. Rated at 115V	Length	Net wt. lbs.	Ship. wt. lbs.
	Masonry	Tile, porcelain, hard brick etc.	Steel	Wood	Steel	Wood						
714	1/2"	3/8"	1/4"	3/4"	1 1/4"	1 1/4"	1700	1000	3.5	11 1/4"	5 3/8	6 1/4
715	3/4"	1/2"	1/2"	1"	1"	1 1/2"	1300	800	5.2	15 1/2"	9 3/4	11 1/8



718 HEAVY-DUTY ROTARY HAMMER Cat. No. 718

(patent pending)

- Lowest cost, most powerful, lightest-weight hammer in its class.
- Friction Drive, externally adjustable, prevents operator injury if bit jams in material—helps bits last longer, too.
- Exclusive compact design (patent pending). Easiest to handle.
- Hammers with or without rotary action. Allows use of chisels, bull points and other accessories.
- Longest working life. Air spring cushions shock. No mechanical springs to break.
- Cuts reinforcing rods with core bits.
- Cuts reinforcing rods with core bits.
- Oil reservoir supplies lubrication for extended periods of time.
- Best motor protection. ML* wire and welded commutator leads give superior protection against burnout.
- Convenient Depth Gage permits accurate hole depth every time.
- Duty Rating: continuous heavy-duty use.
- Bearings: 3 ball, 2 needle, 1 lubricant impregnated, 2 "Graph-Mo".
- Switch: heavy-duty double-pole trigger.

*A Dupont trademark.

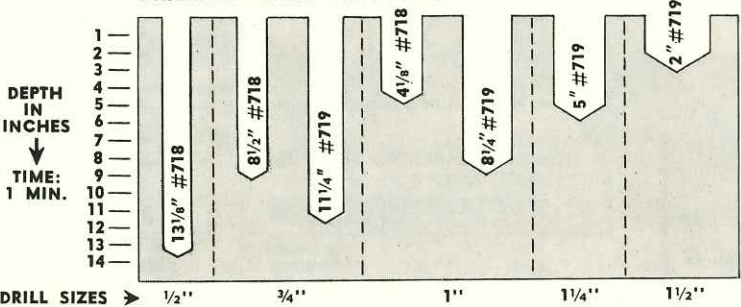
719 HEAVY-DUTY ROTARY HAMMER Cat. No. 719

(patent pending)

- Drives core bits up to 4" in diameter. No rig, no water, no experience necessary.
- Lowest cost per hole of any hammer in its class.
- Fastest drilling. Big, powerful 10 amp. motor delivers 3600 blows per minute.
- Friction Drive prevents operator injury if bit jams in material—helps bits last longer, too.
- Heat treated spur, helical and ZEROL® bevel gears for long-life power transmission.
- Cuts reinforcing rods with core bits.
- ML* wire and welded commutator leads give superior protection against motor burnout.
- Longest working life. Air spring cushions shock. No mechanical springs to break.
- Convenient Depth Gage permits accurate hole depth every time.
- Duty Rating: heavy-duty continuous use.
- Bearings: 3 ball, 1 roller, 6 lubricant impregnated, 2 "Graph-Mo".
- Switch: heavy-duty double-pole trigger.

*A Dupont trademark.

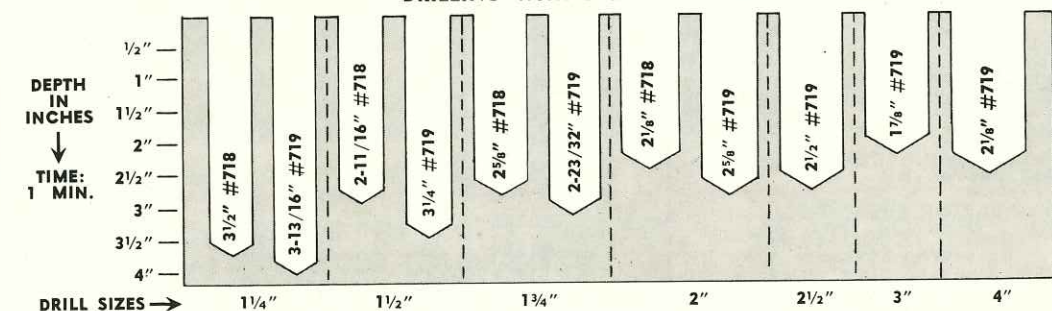
DRILLING WITH PERCUSSION CARBIDE BITS



Check these amazing drilling rates for the Nos. 718 and 719 in 1-2-4 concrete* with percussion carbide bits.

*Concrete Mix: 1 part cement, 2 parts sand, 4 parts gravel. Variations in time may occur due to type of aggregate, concrete hardness, bit sharpness and operator technique.

DRILLING WITH B & D CORE BITS



Here's the time-saving way the Nos. 718 & 719 Rotary Hammers perform with carbide core bits in 1-2-4 concrete.

COMPARATIVE SPECIFICATIONS

Standard Equipment: depth gauge; No. 51270 tool retaining spring; reversible side handle; 4 oz. can of oil; No. 57570 dust shield; sturdy fiber carrying case.

Standard Voltages (universal motor): 115V or 220V AC/DC (others p. 1). Specify voltage.

Cat. No.	Hole Drilling Capacity		Rated-load blows per min.	Rated-load RPM	115V amp. rating	Length	Net wt. lbs.	Ship. wt. lbs.
	Percussion Carbide Bits	Core Bits						
718	1/4" to 3/4"	2"	3150	875	6.4	13 3/4"	12 7/8	24
719	3/4" to 1 1/2"	4"	3600	485	10.0	17"	19 1/2	29 7/8



HEAVY-DUTY ROTARY HAMMER Cat. No. 717

- Fastest hole driller in its class.
- Friction clutch prevents operator injury if bit jams in material . . . helps bits last longer too!
- Hammering action with rotation gives you lowest cost per hole masonry drilling with percussion carbide bits.
- Hammering action without rotation produces 3000 powerful blows per minute with star drills and forged tools.

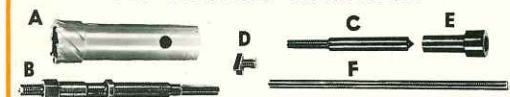
- Use it for demolition without special attachments.
- Rugged construction means lower maintenance costs.
- Convenient Depth Gage gives accurate hole depth every time.
- **Duty Rating:** continuous heavy-duty use.
- **Bearings:** 3 ball, 1 needle, 8 lubricant impregnated.
- **Switch:** H.D. double-pole trigger.

Standard Equipment: depth gage; No. 51270 tool retainer spring; side handle; 4 oz. can of oil; No. 52472 dust shield; carrying case.

Standard Voltages (universal motor): 115V or 220V AC/DC (others p. 1). Specify voltage.

Operating Range		Blows/min.		RPM		115V amp rating	Length	Net Wt. lbs.	Ship. Wt. lbs.
Percussion Carbide Bits	Star Drills	No-load	Rated load	No-load	Rated load				
1/4"-1 1/2" dia.	1/4"-1 1/2" dia.	4000	3000	500	400	7	17"	17 3/4	28

CARBIDE CORE BITS FOR 717, 718 & 719 ROTARY HAMMERS



Cuts large holes in masonry quickly, easily. Cuts light reinforcing rods and mesh. One shank fits all bits of same diameter. Wrenching rod removes bit from shank. Complete Carbide Core Bit: body, starter drill, adaptor bushing (not used with carbide starter drills) and wrenching rod.

A. BODIES—with wrenching rods

- No. 55996 1 1/4" x 6" Core Bit Body.
- No. 55997 1 1/2" x 6" Core Bit Body.
- No. 55998 1 3/4" x 6" Core Bit Body.
- No. 55999 1 1/2" x 6" Core Bit Body.
- No. 55999 1 3/4" x 6" Core Bit Body.
- No. 58325 2" x 6" Core Bit Body.
- No. 58326 2 1/2" x 6" Core Bit Body.
- No. 58327 3" x 6" Core Bit Body.
- No. 58328 3 1/2" x 6" Core Bit Body.
- No. 58329 4" x 6" Core Bit Body.
- *No. 58331 5" x 6" Core Bit Body.
- *No. 58333 6" x 6" Core Bit Body.

B. SHANKS

- No. 56008 1/2"-13 thds. x 7 1/2" Core Bit Shank. Use with No. 55996 above.
- No. 56010 3/4"-10 thds. x 7 1/2" Core Bit Shank. Use with Nos. 55997, 55998, 58325, 58326, 58327, 58328 and 58329 above.
- No. 56009 1/2"-13 thds. x 12" Core Bit Shank. Use with No. 55996 above.
- No. 56011 3/4"-10 thds. x 12" Core Bit Shank. Use with Nos. 55997, 55998, 55999, 58325, 58326, 58327, 58328 and 58329 above.

C. & D. STARTER DRILLS

- No. 57461 Hardened Steel Core Bit Starter Drill. Use with No. 55996 above (without an Adaptor Bushing) and with all other Core Bit Bodies above with the appropriate Adaptor Bushing, below. C.
- No. 56058 1 1/4" Carbide Point Core Bit Starter Drill. Use with No. 55996 above. D.
- No. 56059 1 3/4" Carbide Point Core Bit Starter Drill. Use with No. 55997 above. D.
- No. 56060 1 1/2" Carbide Point Core Bit Starter Drill. Use with No. 55998 above. D.
- No. 56061 1 3/4" Carbide Point Core Bit Starter Drill. Use with No. 55999 above. D.

E. ADAPTOR BUSHINGS

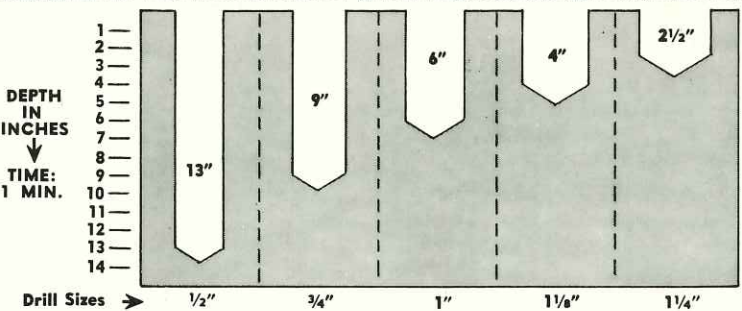
- No. 57462 1 3/8". Use with No. 55997 above.
- No. 57463 1 1/2". Use with No. 55998 above.
- No. 57464 1 3/4". Use with No. 55999 above.
- No. 58342 2". Use with No. 58325 above.
- No. 58343 2 1/2". Use with No. 58326 above.
- No. 58344 3". Use with No. 58327 above.
- No. 58345 3 1/2". Use with No. 58328 above.
- No. 58346 4". Use with No. 58329 above.
- No. 58348 5". Use with No. 58331 above.
- No. 58350 6". Use with No. 58333 above.

F. WRENCHING RODS

- No. 56012 3/8" x 10" Repl. Wrenching Rod. For 1 1/4" & 1 1/2" Core Bit Bodies.
- No. 56013 1/2" x 10" Repl. Wrenching Rod. For 1 1/2" 1 3/4" 2" 2 1/2" 3" 3 1/2" and 4" Core Bit Bodies.
- No. 58351 5/8" x 10" Repl. Wrenching Rod. For 5" & 6" Core Bit Bodies.

*Perfect for use with B & D No. 719 Rotary Hammer where just a few large holes are to be drilled. Although proportionately slower drilling than the smaller sized bits, they will save you time and money when compared with the longer set-up time required by other drilling methods.

CHECK THIS AMAZING DRILLING RATE FOR THE NO. 717 HAMMER IN 1-2-4 CONCRETE WITH PERCUSSION CARBIDE BITS.



BITS FOR NOS. 717, 718 & 719 ROTARY HAMMERS

B&D Percussion Carbide Bit (when sharpened regularly) are the least expensive bit per hole drilled when compared with star drills, diamond bits, etc.

Regular Length Hex Shank Bits

* Cat. No.	Bit Dia.	Useable Drilling Depth
52196	7/16"	4 1/8"
51739	1/2"	4 1/8"
51740	1/2"	9 5/8"
51741	1/2"	15 5/8"
51742	9/16"	5 5/8"
51743	5/8"	4"
51744	5/8"	9 1/2"
51745	5/8"	15 1/2"
51746	1 1/16"	5 1/2"
51747	3/4"	4"
51748	3/4"	9 1/2"
51749	3/4"	15 1/2"
51750	7/8"	5 1/2"
51751	7/8"	15 1/2"
51752	1"	5 1/2"
51753	1"	15 1/2"
51754	1 1/8"	5 1/2"
51755	1 1/8"	15 1/2"
51756	1 1/4"	5 1/2"
51757	1 1/4"	15 1/2"
53590	1 3/8"	6 1/4"
53591	1 3/8"	16 1/4"
53592	1 1/2"	6 1/4"
53593	1 1/2"	16 1/4"

Short Hex Shank Bits for drilling holes for expansion-shields

* Cat. No.	Bit Dia.	Useable Drilling Depth
52186	1/2"	2 1/2"
52187	9/16"	2 1/2"
52188	5/8"	2 1/2"
52189	1 1/16"	2 1/2"
52190	3/4"	3 1/4"
52191	27/32"	3 1/2"
52192	7/8"	3 3/4"
52193	1"	3 3/4"
52194	1 1/8"	4 1/2"

'A' Taper Shank Bits

Use with Taper Adaptor below. Permits use of lower priced bit.

* Cat. No.	Bit Dia.	Useable Drilling Depth
52140	1/4"	2"
52141	9/32"	2"
52142	5/16"	2 1/2"
52143	3/8"	3"
52144	7/16"	3"
54102	1 3/32"	3 1/2"
52145	1/2"	3 1/2"
52146	1/2"	6 1/4"
52147	9/16"	6 1/4"
52148	5/8"	6 1/4"
52149	1 1/16"	6 1/4"
52150	3/4"	6 1/4"
52151	27/32"	6 1/4"

Cat. No. 52139 'A' Taper Adaptor. Required when using 'A' Taper Shank Bits above.

*QUANTITY DISCOUNT: 6 to 24 less 5%; 25 or more less 10%.

BIT SHARPENING SERVICE: Keep your Carbide Bits sharp at all times. See your B & D Distributor or B & D Service Branch. Work is expert, service is prompt and charges are modest. Sharp bits save time and money.



SUPER-DUTY HAMMER Cat. No. 109

Extra Heavy-Duty Construction and Performance

- Superior longest-life demolition tool—ruggedly built.
- Efficient Air Spring Mechanism keeps your hammer on the job.
- Produces more work per dollar of cost than any other electric hammer.
- Fastest driller of large holes (1 1/4"-2 1/2") using star drills.
- Lowest possible maintenance costs.
- Outstanding construction features from end to end (see page 19).
- **Duty Rating:** heavy-duty continuous use.
- **Bearings:** 4 ball, 1 graphite impregnated.
- **Switch:** H.D. double-pole trigger.

Standard Equipment: No 33745 turning handle; carrying case: No. 51314 4 oz. can of hammer oil.

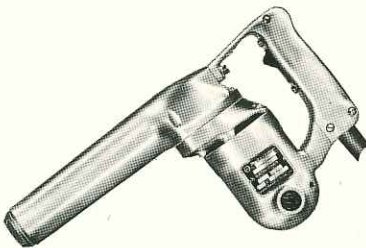


Uses No. 5 Shank Hammer Tools, No. 33745 Turning Handle and No. 33747 Chuck Head.

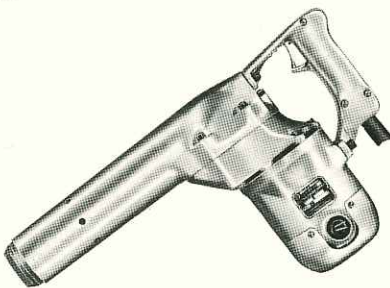
1/2" 1" AND 1 1/2" HAMMERS

Correct size, weight and capacity for performing money-saving, time-saving jobs on hundreds of installation, maintenance, remodeling and service operations. With the appropriate B&D Forged Hammer Tools, they efficiently handle such jobs as

caulking joints and seams; pointing masonry and brick; chipping rust, scale and spatter; gouging and shaping timbers; tamping and vibrating; channeling; drilling in concrete, stone or brick; and demolition work.



Uses No. 1 Shank Hammer Tools & Nos. 22587 and 23806 Chuck Wrenches.



Uses No. 1 Shank Hammer Tools & Nos. 22587 and 23806 Chuck Wrenches.



Uses No. 3 Shank Hammer Tools, Nos. 22749 & 22754 Chuck Wrenches, No. 21726 Turning Handle and No. 22510 Chuck Head.

1/2" HAMMER Cat. No. 102

Duty Rating: continuous heavy-duty use; **Bearings:** 3 ball, 2 oil impregnated; **Switch:** H.D. single pole rocker. **Standard Equipment:** No. 22587 chuck wrench; No. 17746 dust shield; rocker-type switch; two No. 10909 tool retaining springs; No. 7276 drift key; carrying case; No. 51314 can of oil.

1" HEAVY-DUTY HAMMER

Cat. No. 103-1

Duty Rating: continuous heavy-duty use; **Bearings:** 3 ball, 1 roller, 1 oil impregnated; **Switch:** H.D. double pole trigger. **Standard Equipment:** No. 22587 chuck wrench; No. 17746 dust shield; two No. 10909 tool retaining springs; No. 7276 drift key; carrying case; No. 51314 can of oil.

1 1/2" HEAVY-DUTY HAMMER

Cat. No. 104-1

Duty Rating: continuous heavy-duty use; **Bearings:** 3 ball, 2 roller; **Switch:** H.D. double pole trigger. **Standard Equipment:** No. 22754 chuck wrench; No. 17747 dust shield; two No. 21750 tool retaining springs; No. 7276 drift key; carrying case; No. 51314 can of oil.

SEE THE NEXT TWO PAGES FOR THE PROPER SIZED STAR DRILLS AND FORGED HAMMER TOOLS THAT MEET YOUR REQUIREMENTS.

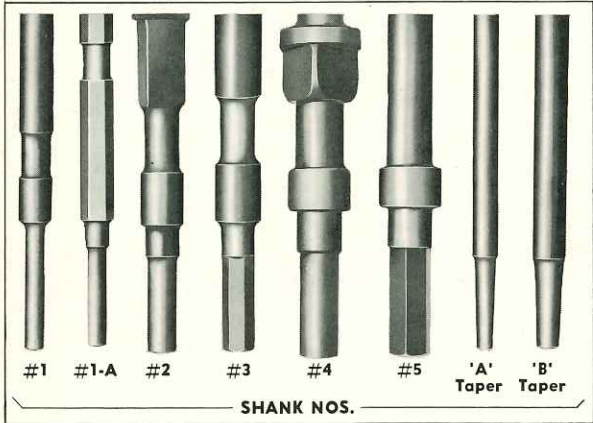
COMPARATIVE SPECIFICATIONS

Standard Voltages (universal motor): 115V or 220 AC/DC (others p. 1). Specify voltage.

Cat. No.	Operating Range (hole diameter)	No-load blows/min.	Rated load blows/min.	Amps. Rated at 115V	Length	Net wt. lbs.	Ship. wt. lbs.
109	1 1/16" to 2 1/2"	2500	1700	9.0	22 1/2"	31 1/4	45 3/4
102	1/4" to 3/4"	3200	2400	1.6	12 3/8"	5 3/4	13
103-1	1/4" to 1 1/8"	3200	2300	3.3	14 5/8"	10 3/4	21
104-1	1/2" to 2"	3100	2200	7.0	18 5/8"	19 3/4	32

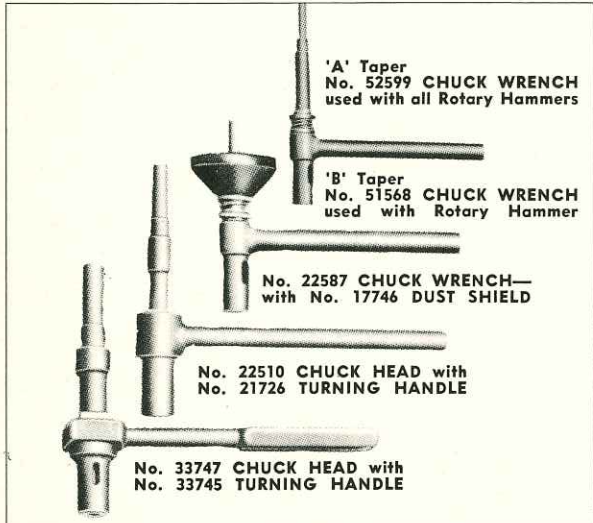


SHANKS AND TAPERS



Shank #1—Fits nose of 1/2", 3/4" and 1" Hammers.
Shank #1-A—Fits nose of H.D. Rotary Hammer.
Shank #2—Fits nose of 1 1/8", 1 1/2" or 2" (former type C) Hammers. Tools with this shank may be rotated by using Turning Handle No. 21726.
Shank #3—Fits nose of 1 1/8", 1 1/2" or 2" (former type C) Hammers. These shanks will not rotate in the Hammer nose piece.
Shank #4—Fits nose of 2" (types D & E) and Super-Duty Hammers. Tools with this shank may be rotated by using Turning Handle No. 33745, standard equipment with this Hammer.
Shank #5—Fits nose of 2" hammer (types D & E) and Super-Duty Hammer. These shanks will not rotate in the Hammer nose piece.
Taper A—(1) Fits into Chuck Wrench No. 22587, standard equipment with 1/2", 3/4" and 1" Hammers.
(2) Fits into Chuck Wrench No. 22749. This Chuck Wrench fits into nose of 1 1/8", 1 1/2" or 2" (former type C) Hammer.
(3) Fits No. 52139 Taper Adapter for Rotary Hammers.
Taper B—(1) Fits Chuck Wrench No. 22754, standard equipment with the 1 1/8" and 1 1/2" Hammers; extra equipment for the 2" (former type C) Hammer.
(2) Fits Chuck Wrench No. 23806, extra equipment for 1/2", 3/4" and 1 1/2" Hammers.
(3) Fits Chuck Head No. 33747 extra equipment for the 2" (latest type D) Hammer.
(4) Fits Chuck Head No. 22510, extra equipment for 1 1/8", 1 1/2" or 2" (former type C) Hammer.

CHUCK WRENCHES & TURNING HANDLES



Cat. No.	Item	Shk. No.	Taper	Use With Hammer
52599	Chuck Wrench	1-A	A	Rotary
51568	Chuck Wrench	1-A	B	Rotary
22587	Chuck Wrench	1	A	1/2", 3/4" & 1"
23806	Chuck Wrench	1	B	1/2", 3/4" & 1"
22749	Chuck Wrench	2	A	1 1/8", 1 1/2" & 2" (C)
22754	Chuck Wrench	2	B	1 1/8", 1 1/2" & 2" (C)
22510	Chuck Head	2	B	2" (D & E); Sup. D.
33747	Chuck Head	4	B	2" (D & E); Sup. D.
21726	Turning Handle*	—	—	1 1/8", 1 1/2" & 2" (C)
33745	Turning Handle†	—	—	2" (D & E); Sup. D.

*Fits No. 2 Shank. †Fits No. 4 Shank.

STAR DRILLS



For drilling 1/4" to 1" diameter holes with 1/2", 3/4", 1", *1 1/8", *1 1/2" and †Rotary hammers.

DRILLS BELOW HAVE TAPER "A" SHANK							
Cat. No.	Point Diam.	Overall Length	Quant. in box	Cat. No.	Point Diam.	Overall Length	Quant. in box
7167	1/4"	5"	6	7162	5/8"	9"	6
7168	5/16"	5"	6	9372	5/8"	18"	1
7160	3/8"	5"	6	7171	1 1/16"	9"	6
7169	7/16"	5"	6	7163	3/4"	9"	6
7161	1/2"	9"	6	9380	3/4"	18"	1
9364	1/2"	18"	1	9382	3/4"	24"	1
7170	9/16"	9"	6	50058	7/8"	9"	6
				50062	1"	9"	6

*Requires extra chuck wrench No. 22749. †Requires No. 52599 chuck wrench or No. 52139 taper adaptor.

For drilling 1 1/16" to 1 1/2" diam. holes with *3/4", *1", 1 1/8", 1 1/2", **2", **Super-Duty and †Rotary hammers.

DRILLS BELOW HAVE TAPER "B" SHANK							
Cat. No.	Point Diam.	Overall Length	Quant. in box	Cat. No.	Point Diam.	Overall Length	Quant. in box
24673	1 1/16"	9"	6	7173	1 1/8"	9"	6
23081	3/4"	9"	6	7096	1"	9"	6
23082	3/4"	18"	1	9396	1"	18"	1
23083	3/4"	24"	1	9398	1"	24"	1
7172	1 3/16"	9"	6	10751	1 1/8"	12"	6
7097	7/8"	9"	6	10981	1 1/8"	24"	1
9388	7/8"	18"	1	50065	1 1/4"	14"	1
9390	7/8"	24"	1	50069	1 1/2"	14"	1

†Requires No. 51568 chuck wrench.
*Requires extra chuck wrench No. 23806.
**Type C Hammer requires extra Chuck Head No. 22510; Types D and E Hammers and Super-Duty Hammer require extra Chuck Head No. 33747.

For drilling 1 1/4" to 2" diam. holes with latest *2" and *Super-Duty hammers.

DRILLS BELOW HAVE #4 SHANK							
Cat. No.	Point Diam.	Overall Length	Quant. in box	Cat. No.	Point Diam.	Overall Length	Quant. in box
33757	1 1/4"	18"	1	33762	1 1/2"	30"	1
33758	1 1/4"	30"	1	33763	1 3/4"	18"	1
33759	1 3/4"	18"	1	33764	1 3/4"	30"	1
33760	1 3/4"	30"	1	33765	2"	18"	1
33761	1 1/2"	18"	1	33766	2"	30"	1
				52652	2 1/2"	19 1/4"	1

*Types D and E and Super-Duty Hammer.

For drilling 1 1/4" to 2" diam. holes with *1 1/8", *1 1/2" and former **2" hammers.

DRILLS BELOW HAVE #2 SHANK							
Cat. No.	Point Diam.	Overall Length	Quant. in box	Cat. No.	Point Diam.	Overall Length	Quant. in box
21942	1 1/4"	18"	1	21947	1 1/2"	30"	1
21943	1 1/4"	30"	1	21948	1 3/4"	18"	1
21944	1 3/4"	18"	1	21949	1 3/4"	30"	1
21945	1 3/4"	30"	1	21950	2"	18"	1
21946	1 1/2"	18"	1	21951	2"	30"	1

*Requires extra Turning Handle No. 21726.
**Type C.



HAMMER TOOLS

QUANTITY DISCOUNT: 10-49 LESS 5%; 50 OR MORE LESS 10%.

SEE PRECEDING PAGE FOR INFORMATION ON CHUCK WRENCHES, CHUCK HEADS AND TURNING HANDLES

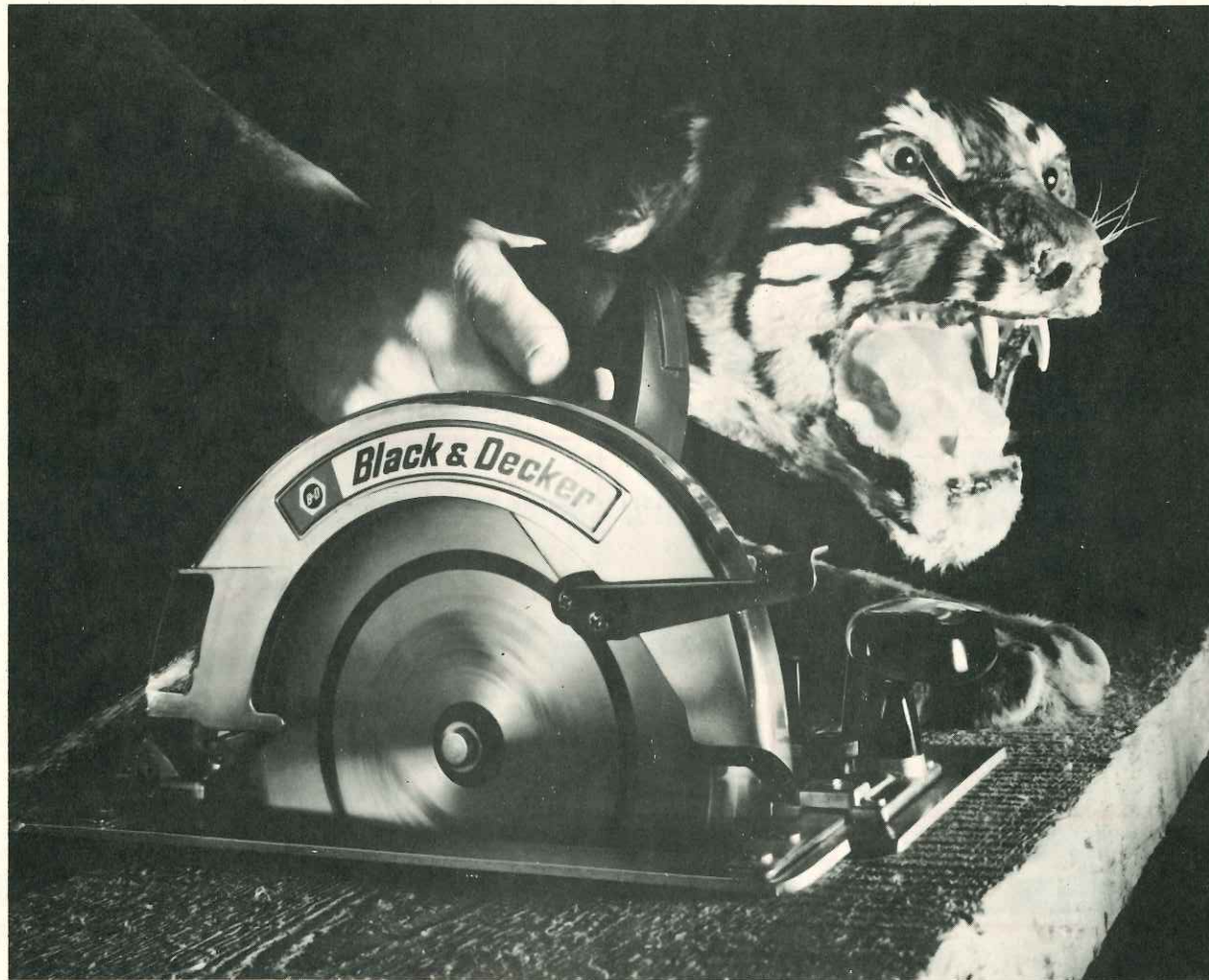
KEY: lg (long); bl (blade)	USE WITH 1/2" HAMMERS	USE WITH ALL B&D ROTARY HAMMERS	USE WITH 3/4" & 1" HAMMERS	USE WITH 1 1/2" & 1" HAMMERS	USE WITH 2" AND SUPER-DUTY HAMMERS	
	These Tools have No. 1 Shank	These Tools have No. 1-A Shank	These Tools have No. 1 Shank	These Tools have No. 3 Shank	These Tools have No. 3 Shank	These Tools have No. 5 Shank
TYPE					Type C Hammer	Types D, E, & Super-Duty Hammers
BULL-POINT For demolition drilling	Cat. No. 23804 10" lg	Cat. No. 51569 12" lg	Cat. No. 23804 10" lg	Cat. No. 9036 12" lg	Cat. No. 9036 12" lg	Cat. No. 33662 12" lg
	Cat. No. 23805 18" lg	Cat. No. 51570 18" lg	Cat. No. 23805 18" lg	Cat. No. 9410 20" lg	Cat. No. 9410 20" lg	Cat. No. 33663 20" lg
CONCRETE SLOTTING TOOL —For slotting in concrete and breaking "web" between star drill holes to break large openings in walls, etc.	Cat. No. 32112 1 1/4" bl, 11 1/2" lg	Cat. No. 51571 1 1/4" bl, 12" lg	Cat. No. 32112 1 1/4" bl, 11 1/2" lg	Cat. No. 32113 1 1/2" bl, 18" lg	Cat. No. 32113 1 1/2" bl, 18" lg	Cat. No. 33670 1 1/2" bl, 18" lg
4-POINT SCALING TOOL For removing scale.	Cat. No. 17335 9" lg	Cat. No. 51572 12" lg	Cat. No. 17335 9" lg			
SCALING CHISELS For removing scale and weld spatter.	Cat. No. 12446 1 1/4" bl, 9" lg	Cat. No. 51573 1 1/4" bl, 12" lg	Cat. No. 12446 1 1/4" bl, 9" lg	Cat. No. 12401 1 1/2" bl, 12" lg	Cat. No. 12401 1 1/2" bl, 12" lg	
	Cat. No. 17314 1 1/2" bl, 9" lg	Cat. No. 51574 1 1/2" bl, 12" lg	Cat. No. 17314 1 1/2" bl, 9" lg	Cat. No. 22886 2" bl, 12" lg	Cat. No. 22887 2 1/2" bl, 12" lg	Cat. No. 34858 2 1/2" bl, 12" lg
	Cat. No. 17315 2" bl, 9" lg	Cat. No. 51575 2" bl, 12" lg	Cat. No. 17315 2" bl, 9" lg	Cat. No. 22887 2 1/2" bl, 12" lg	Cat. No. 22886 2" bl, 12" lg	
COLD CHISELS For chipping, edging, channeling.	Cat. No. 11108 3/8" bl, 8" lg	Cat. No. 51576 3/8" bl, 12" lg	Cat. No. 11108 3/8" bl, 8" lg	Cat. No. 7095 7/8" bl, 9" lg	Cat. No. 7095 7/8" bl, 9" lg	Cat. No. 33659 7/8" bl, 20" lg
		Cat. No. 57124 3/8" bl, 18" lg		Cat. No. 9405 7/8" bl, 20" lg	Cat. No. 9405 7/8" bl, 20" lg	Cat. No. 34857 7/8" bl, 12" lg
FLAT WOOD CHISELS For wood gouging and shaping.				Cat. No. 9039 2" bl, 9" lg	Cat. No. 9039 2" bl, 9" lg	
BUSHING TOOL For surfacing concrete.	Cat. No. 11624 8" lg	Cat. No. 51577 12" lg	Cat. No. 11624 8" lg	Cat. No. 9040 9" lg	Cat. No. 9040 9" lg	Cat. No. 57122 14 1/2" lg
BUSHING HEAD ONLY Cat. No. 10684						
SEAM TOOL —For seaming, caulking and pointing.	Cat. No. 17232 9" lg	Cat. No. 51578 12" lg	Cat. No. 17232 9" lg	Cat. No. 9035 9" lg	Cat. No. 9035 9" lg	
CLAY SPADE —For digging holes in dirt and clay.				Cat. No. 53557 4 1/2" w, 5 1/2" lg 18" overall lg	Cat. No. 53557 4 1/2" w, 5 1/2" lg 18" overall lg	Cat. No. 54296 4 1/2" w, 5 1/2" lg 18" overall lg
TOOL BLANKS —Can be forged into any special shapes required for special applications.	Cat. No. 11107 10" lg	Cat. No. 51579 12" lg	Cat. No. 11107 10" lg	Cat. No. 7267 12" lg	Cat. No. 7267 12" lg	Cat. No. 33666 12" lg

Ask about B&D's EXCHANGE PLAN for worn-out Star Drills, Bull Points and Cold Chisels. You'll SAVE!

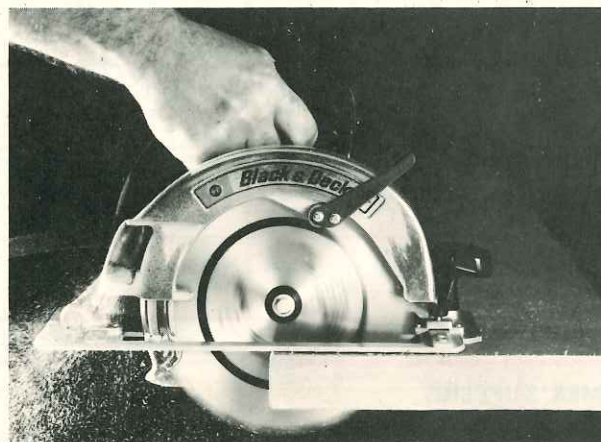
HAMMER SUPPLIES

SPECIAL HAMMER LUBRICATING OIL—
Cat. No. 22930 16 oz. Can. Use on all hammers except Super-Duty Hammer.
Cat. No. 51314 4 oz. Can of Hammer Oil. Use on all hammers.
Cat. No. 51315 16 oz. Can of Hammer Oil. Use on all hammers.
HAMMER GEAR GREASE—
Cat. No. 36391 1 lb. Can.
Cat. No. 23638 1 lb. Can. Use with Rotary Hammer and Hammer-Drill.
Cat. No. 32907 5 lb. Can. Use with Rotary Hammer and Hammer-Drill.
DRIFT KEY—Used to remove taper shank bits from Chuck.
Cat. No. 7276 For all Chuck Wrenches.
TOOL RETAINING SPRINGS—
To hold straight-shank tool in nose-piece.
Cat. No. 10909 Tool Retaining Spring for 1/2", 3/4" and 1" Hammer.
Cat. No. 21750 Tool Retaining Spring for 1 1/8" and 1 1/2" Hammers.
Cat. No. 51270 Tool Retaining Spring for Rotary Hammers.
DUST SHIELD—Used in overhead drilling to keep dust out of Hammer nose and mechanism.
Cat. No. 17746 For Wrenches Nos. 22587, 23806, 22510.
Cat. No. 17747 For Wrenches Nos. 22749, 22754.
Cat. No. 52472 Repl. Felt Dust Shield for H.D. Rotary Hammers.
Cat. No. 57570 Repl. Rubber Dust Shield for H.D. Rotary Hammers.
Cat. No. 57714 Dust Shield for Hammer-Gun.
Cat. No. 58309 Dust Shield for Hammer-Drill.

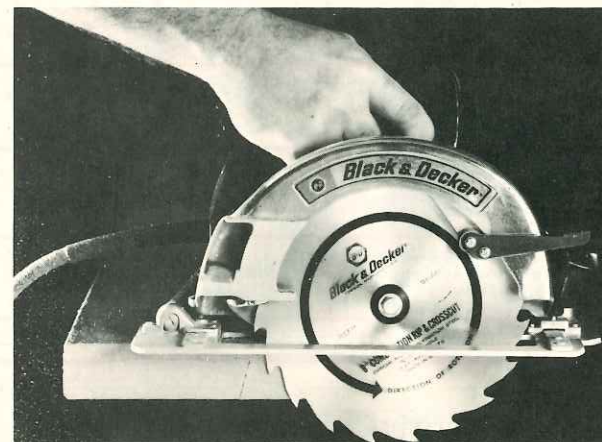
A HUNGRY BREED OF SAWCATS THAT EAT UP WOOD-CUTTING JOBS WITH TIME-SAVING REGULARITY.



NOW EQUIPPED WITH NEW EXCLUSIVE ELECTRIC BRAKE.
THE ONLY SAWS THAT CAN BE STOPPED INSTANTLY!



PRESS - GO



RELEASE - STOPS INSTANTLY

NO BUTTON TO PUSH—valuable new safety benefit only on the new Black & Decker Super Sawcats. Stops the saw instantly when trigger is released . . . protects operator—work—blades! Also especially useful for making blind cuts in wood where a coasting blade could make a wide, imprecise cut. Try this outstanding Electric Brake today.

NEW **Black & Decker**® SUPER SAWCATS

LIGHTEST, MOST POWERFUL PROFESSIONAL SAWS EVER MADE.
BUILT FOR COST-CUTTING SUPERIORITY.
EQUIPPED WITH NEW ELECTRIC BRAKE THAT STOPS INSTANTLY.



EXCLUSIVE—Finest balance ever built into a portable electric saw. Assures perfect control at all times.



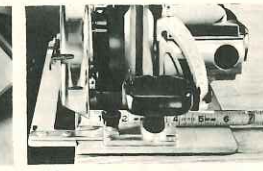
EXCLUSIVE—Baffled air inlets protect custom-designed B&D motor from wood chips and other objects.



EXCLUSIVE—Detachable wrap-around shoe is standard equipment. Use for support, remove for close cuts.



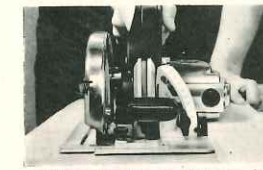
EXCLUSIVE—New "Negator"® brush springs give constant, even pressure. Longer life in less space.



EXCLUSIVE Left side of base is 6" from blade for easy, convenient cut-off measurement.



Functional sawdust ejector directs sawdust off to the right away from operator.



Motor housing is recessed to allow use of 1" x 4" stock as straight edge along saw base.



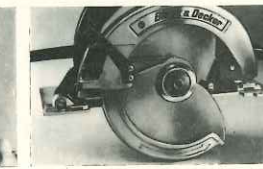
EXCLUSIVE Depth adjustment scale visible from top in operating position. Easy-to-read depth calibration with adjustable pointer.



Saw has precision locking adjustment for aligning blade parallel to shoe. Assures absolute parallel cutting along side of saw base.

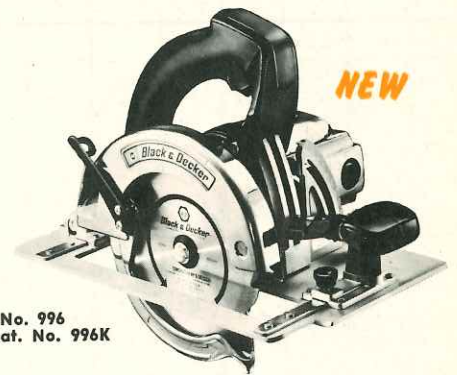


Cast quadrant with adjustable pointer. Adjustable stops for precision 45° and 90° settings. Every degree shown on casting.



Easy working lower guard. It's mounted on anti-friction material with specially contoured leading edge. Easy retraction for safety.

6 1/2" Super Sawcat, Cat. No. 996
6 1/2" Super Sawcat Kit, Cat. No. 996K



7 1/4" Super Sawcat, Cat. No. 997
7 1/4" Super Sawcat Kit, Cat. No. 997K



8 1/4" Super Sawcat, Cat. No. 998
8 1/4" Super Sawcat Kit, Cat. No. 998K



9 1/4" Super Sawcat, Cat. No. 999
Not available as a Kit. See next page for Carrying Case and Rip Fence.

COMPARATIVE SPECIFICATIONS

Standard Voltages (universal motor): 115V AC only (others p. 1). Specify voltage.

Kit Standard Equipment: Super Sawcat with Electric Brake, No. 55584 Rip Fence useable on either side for fast, smooth rip sawing; No. 55580 sturdy steel Carrying Case. Buy Sawcat Kits and SAVE.

Cat. No.	Duty Rating	Rated at 115V	No-load Speed	Blade Diam.	Maximum Depth		Bearings	Length	Net Wt.	Ship. Wt.
					90°	45°				
996	Super	12 amps.	5500	6 1/2"	2 3/32"	1 13/16"	3 ball 1 needle	13 3/4"	13 1/4 lb.	15 1/2 lb.
997	Super	12.5 amps.	5500	7 1/4"	2 15/32"	2 1/16"	3 ball 1 needle	13 3/4"	13 1/2 lb.	15 3/4 lb.
998	Super	13 amps.	5500	8 1/4"	2 31/32"	2 13/32"	3 ball 1 needle	13 3/4"	13 3/4 lb.	16 lb.
999	Super	13 amps.	3900	9 1/4"	3 5/16"	2 7/16"	4 ball	14 1/2"	15 3/4 lb.	21 lb.

All B&D Super Sawcat motors have M.L.* wire and welded commutator leads for greater burnout protection.

*A Dupont trademark

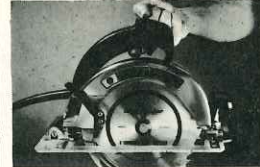
PACKED WITH POWER; BUILT WITH OUTSTANDING FEATURES; PRICED JUST RIGHT



Cast quadrant with adjustable pointer. Adjustable stops for precision 45° and 90° settings. Every degree shown on casting.



EXCLUSIVE—Baffled air inlets protect custom-designed B&D motor from wood chips and other objects.



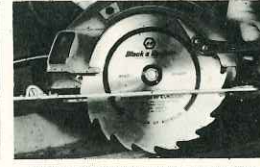
EXCLUSIVE—Finest balance ever built into a portable electric saw. Assures perfect control at all times.



Functional sawdust ejector directs sawdust off to the right away from operator.



Motor housing is recessed to allow use of 1" x 4" stock as straight edge along saw base.



Will take 81/4" saw blade for even greater depth of cut, more sharpenings per blade.



EXCLUSIVE Depth adjustment scale visible from top in operating position. Easy-to-read depth calibration with adjustable pointer.



Easy working lower guard. It's mounted on anti-friction material with specially contoured leading edge. Easy retraction for safety.



Saw has precision locking adjustment for aligning blade parallel to shoe. Assures absolute parallel cutting along side of saw base.

SAWCAT ACCESSORIES

- A. SAW CARRYING CASES.** Rugged rain-proof, all-steel construction protects saw. Firm-gripping fittings. Lid clamp holds up to 16 blades. Room for Rip Fence, extra cable and Cut-Off Gauge.
Cat. No. 55580 Fits $6\frac{1}{2}"$, $7\frac{1}{4}"$ and $8\frac{1}{4}"$ Super Sawcats and $6\frac{1}{2}"$, $7\frac{1}{4}"$ and $8"$ Builders' Sawcats.
Cat. No. 49527 Fits $9\frac{1}{4}"$ Super Sawcat.
Cat. No. 49525 Fits former models of $6"$ and $7\frac{1}{4}"$ saws.
- B. CUT-OFF GAUGE Cat. No. 55582.** For 45° - 90° straight, bevel and miter cuts.
- C. SAW PROTRACTOR Cat. No. 49531.** Permits accurate cuts from 0° to 90° angles. Saves time, labor.
- D. RIP FENCES.** Use on either side of saw for fast, smooth rip sawing.
Cat. No. 55584. For Super Sawcats and Builders' Sawcats.
Cat. No. 49529. For previous model saws.
- E. BASE ATTACHMENT. Cat. No. 58387.** Use with Builders' Sawcats to support right side of saw on jobs where this is needed.

- F. SAW TABLE Cat. No. 2311.** Converts all Super Sawcats (except 9 1/4"). Builders' Sawcats and previous models of B&D 6 1/2", 7" and 8" Saws into a stationary table saw. bench saw. Rigidly constructed; 484 sq. in. surface; tilting arbor; adjustable rip fence; accurate blade adjustment; knee-action switch; miter gauge. Table size: 32 1/2" high, 22" wide, 22" deep. Surface in front of blade: 11"; surface to right of blade: 11 1/2". Net wt. 44 lbs.; Ship wt. 48 lbs.

G. SAW BLADE ADAPTORS

- No. 34728** reduces $1\frac{1}{8}"$ holes to $\frac{1}{2}"$
No. 34729 reduces $1\frac{1}{8}"$ holes to $\frac{5}{8}"$
No. 34725 reduces $1\frac{3}{8}"$ holes to $\frac{1}{2}"$
No. 34726 reduces $1\frac{3}{8}"$ holes to $\frac{5}{8}"$
No. 34727 reduces $1\frac{3}{8}"$ holes to $\frac{3}{4}"$
No. 34730 reduces $1\frac{3}{8}"$ holes to diamond shape.

LUBRICANT

- Cat. No. 51395** 1 lb. can Special Gear Grease. For all Sawcats, Super-duty Sanders and Super-Duty Angle Grinders.



6½" Builders Sawcat, Cat. No. 986
6½" Builders' Sawcat Kit, Cat. No. 986K



7 1/4" Builders' Sawcat, Cat. No. 987
7 1/4" Builders' Sawcat Kit, Cat. No. 987K



8" Builders' Sawcat, Cat. No. 988
8" Builders' Sawcat Kit, Cat. No. 988K

COMPARATIVE SPECIFICATIONS

Standard Voltages (universal motor): 115V AC/DC (others p. 1). Specify voltage.

Kit Standard Equipment: Builders' Sawcat; No. 55584 Rip Fence useable on either side for fast, smooth rip sawing; No. 55580 sturdy steel Carry-
ing Case. Buy Sawcats in Kits and SAVE.

Cat. No.	Duty Rating	Rated at 115V	No-load Speed	Blade Diam.	Maximum Depth		Bearings	Length	Net Wt.	Ship. Wt.
					90°	45°				
986	Heavy	11 amp.	5500	6½"	2¾"	1¾"	2 ball 2 needle	13¾"	12¾ lb.	15 lb.
987	Heavy	11.5 amp.	5500	7¼"	2½"	2½"	2 ball 2 needle	13¾"	13 lb.	15½ lb.
988	Heavy	12.0 amp.	5500	8"	2¾"	2½"	2 ball 2 needle	13¾"	13¼ lb.	15½ lb.

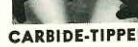
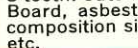
All Builders' Sawcats have welded commutator leads for greater burnout protection.

NOW B & D CAN TAKE CARE OF ALL OF YOUR BLADE NEEDS . . . CHOOSE FROM THE COMPLETE LINE OF 'PREMIUM QUALITY' CHROME BLADES, THE LOWER COST 'SELECT QUALITY' COMBINATION BLADES AND THE ABRASIVE BLADES.

**NEW "PREMIUM QUALITY"
CIRCULAR SAW BLADES**

- Provides greater economy in cutting building materials. Improve the sawing efficiency of many makes of saws. Made by B&D from carefully con-

trolled steel—chromium-plated to make Smoother, Faster Cuts and to Stay Sharp Longer. Your best buy in blades.

Arbor Hole } round hole = ● → diamond hole = ◆ →		1/2" ●						3/8" ● with ◆ knockout		5/8" ● Knock-out 3/4" ●		1 1/4" ● only		1 3/8" ● only		◆ only			
Blade Size →		5 1/2"	6"	6 1/2"	7 1/4"	8"	8 1/4"	9 1/4"	6 1/2"	7 3/8"	8 1/4"	9 1/4"	6 1/2"	7 1/4"	8"	8 1/4"			
	Specifically designed for general-purpose ripping and cross-cutting. Fast, smooth cuts.	No. C-58242	No. C-55947 5 1/8" dia.	No. C-39573	No. C-39574	No. C-39575	No. C-55866	No. C-55387	No. C-39707	No. C-39708	No. C-39709	No. C-39549							
	Perfect for smooth, fast cross-cutting. Makes smoother cuts than Combination Blade.			C-39591	C-39597	C-39603	C-55867	C-55868	C-39710	C-39711	C-39712	C-39555							
	Fast for rip cuts. Minimum binding and better chip clearance given by large teeth.			C-56068	C-56069	C-56070	C-56071	C-56072											
	Hollow-ground for Very Smooth ripping and cross-cutting. Ideal for interior woodwork, etc.			C-39592 3/8" round only arbor hole	C-39598 3/8" round only arbor hole	C-39604 3/8" round only arbor hole			C-39713	C-39714 7/16" dia.	C-39715	C-39554 9" dia.	C-58043	C-58045		C-58047			
	Use where nails may be encountered—floors, reclaimed lumber, opening crates, etc.			C-39593	C-39599	C-39605		C-55869	C-39716	C-39717	C-39718	C-39557							
	Fastest, smoothest, longer sawing without blade sharpening. Tungsten carbide tips stay sharp up to 50 times longer than steel. Have 8 teeth. Cuts wood, Transite, Cemesto Board, asbestos, Formica, Masonite, composition siding, roofing materials, etc.			C-39596 3/8" round only arbor hole	C-39601 3/8" round only arbor hole	C-39606 3/8" round only arbor hole			C-39721	C-39722	C-39607		C-58033	C-58035		C-58037			
	Teeth shaped and set for cutting aluminum, copper, lead; other soft metals.			C-39595	C-39602	C-39608		C-55870	C-39729	C-39730	C-39731	C-39559							
	Hollow-ground to give an exceptionally smooth cut in plywood. No binding or splintering. Sheds resin and glue.			C-53614 3/8" round only arbor hole	C-55864 3/8" round only arbor hole	C-55865 3/8" round only arbor hole							C-58049	C-58051		C-58053			
	Perfect for corrugated galvanized sheets. Faster, less dirt than with abrasive blades. Taper ground for clearance. Note difference in diameters. For best results, use blade diameters recommended in chart.			C-39594 6 1/16" dia. 3/8" round only arbor hole	C-39594 6 1/16" dia. 3/8" round only arbor hole	C-39600 7 1/16" dia. 3/8" round only arbor hole	C-39600 7 1/16" dia. 3/8" round only arbor hole	C-56067 8 1/16" dia. 3/8" round only arbor hole	C-39719 6 1/16" dia.	C-39719 6 1/16" dia.	C-39720 7 1/16" dia.	C-39560 8 1/16" dia.	C-58039 6 1/16" dia.	C-58039 6 1/16" dia.		C-58041 8 1/16" dia.			

NEW ABRASIVE BLADES

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QUANTITY DISCOUNT ON 'SELECT QUALITY' BLADES: 5-24 LESS 5%; 25 OR MORE LESS 10%.

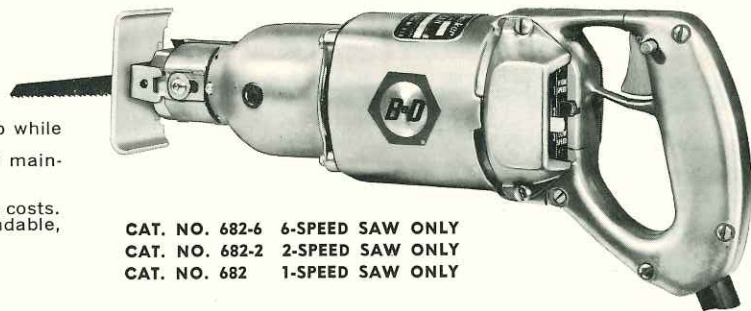
Black & Decker HEAVY-DUTY SABRE SAWS

FEATURES OF ALL THREE SABRE SAWS

- New Power! Most powerful on the market today.
- EXCLUSIVE 3-Way Blade Clamp. Permits cutting up, down or sideways.
- EXCLUSIVE Rock-and-Lock Shoe. Saw shoe rocks to stay flush with material regardless of saw position . . . or locks for scroll cutting.
- EXCLUSIVE blade guard permits holding saw closest to critical point of control. Greater SAFETY and visibility.
- LONGER BLADE LIFE due to longer stroke and minimum vibration.
- Flush-to and Flush-alongside cutting permitted by EXCLUSIVE front end design without need for extra attachments.
- EXCLUSIVE guided air flow keeps saw cool and clears dust from working area.

FEATURES OF 6-SPEED AND 2-SPEED SABRE SAWS

- Right speed for most efficient cutting of every material!
- Handy speed control—just flip switches with your thumb while holding handle.
- Tough, compact metal switch housing designed for low maintenance costs.
- Switch Plate clearly visible for quick settings.
- Only 4 parts to the control circuit—minimum maintenance costs.
- Exclusive Space-Age Diodes in control circuit. Dependable, trouble-free speed selection.



CAT. NO. 682-6 6-SPEED SAW ONLY
CAT. NO. 682-2 2-SPEED SAW ONLY
CAT. NO. 682 1-SPEED SAW ONLY

6-SPEED SABRE SAW KIT

Speed control switches are located for maximum convenience and ease of operation. Speeds can be changed while the motor is running. Choose the proper blade from the chart on next page.

NEW



Speed Setting	Materials to be Cut
HIGH SPEED	1 Soft woods, rough lumber.
	2 Hardwoods, composition boards, plasterboard, Plexiglas®, Masonite®.
	3 Soft metals, cooper, brass, soft aluminum.
LOW SPEED	1 Mild steel, galvanized pipe, black pipe, conduit, sheet metal, rain gutters, duct work.
	2 Soft plastics, tile, Formica®, wire mesh, asbestos.
	3 Hard metals, soil pipe, cast iron.

NEW



2-SPEED SABRE SAW KIT

Speed Setting	Materials to be Cut
HIGH SPEED	Soft wood, plastic, composition boards, Masonite®, Plexiglas®.
LOW SPEED	Mild steel, black pipe, conduit, sheet metal, duct work, tubing galvanized pipe.

SABRE SAW KITS

For only a few dollars more, you get 3 additional Sabre Saw Blades and a sturdy steel Kit Box. This is the perfect combination for the mechanic, carpenter or serviceman who must move his tools from job to job. The sturdy steel Kit Box offers great protection

and keeps everything handy for ready use. Contains your choice of B&D H.D. Sabre Saw; 5 B&D Sabre Saw Blades (Nos. 48122, 49098, 49107, 49115, 49119); Allen wrench for blade changing; plus free wrench holder. Net Wt. 17 lbs.; Ship. Wt. 20 lbs.

6-SPEED SABRE SAW KIT

Cat. No. 743-6



NEW

2-SPEED SABRE SAW KIT

Cat. No. 743-2



NEW

SINGLE-SPEED SABRE SAW KIT

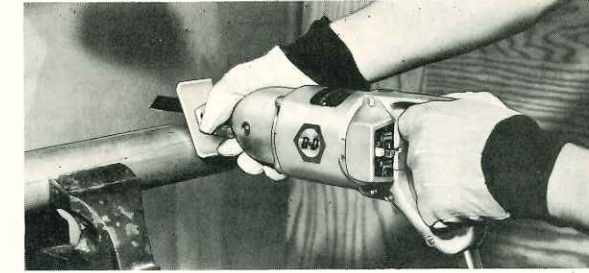
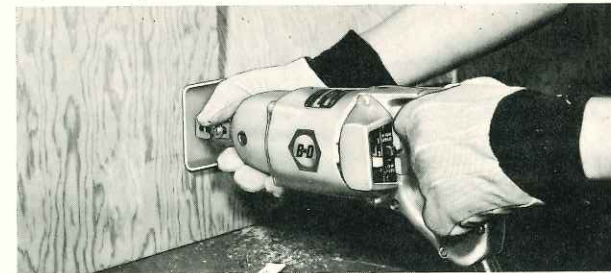
Cat. No. 743



COMPARATIVE SPECIFICATIONS

Standard Equipment (for Sabre Saws only, see above for Kits): 2 Sabre Saw Blades (Nos. 49122 and 49115); Allen wrench for blade changing; plus free wrench holder.
Standard Voltages (universal motor): (for 6-speed & 2-Speed Saws) 115 or 220v AC; (for Single-Speed Saw) 115v or 220v AC/DC. Specify voltage (others p.1).

Saw	Length of Stroke	Strokes per Min.	Capacity		Scroll Cutting	Amps Rated at 115v	Lgth. w/o Blade	Width	Hgt.	Net Wt. lbs.	Ship. Wt. lbs.
			Wood	Steel							
Single-Speed	1"	2300	Heavy Timbers	1/2" Thick	Down to 1/4" Radius	6	15"	3 3/8"	5 1/2"	8 3/4	9 3/4
2-Speed	1"	High 2300 Low 1100	see table above	see table above	Down to 1/4" Radius	6	15"	3 3/8"	5 1/2"	8 3/4	9 3/4
6-Speed	1"	High 2300 Low 980	see table above	see table above	Down to 1/4" Radius	6	15"	3 3/8"	5 1/2"	8 3/4	9 3/4



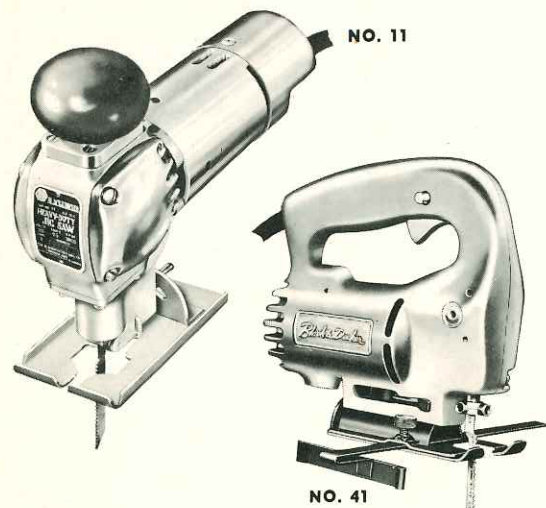
SABRE SAW BLADES

Black & Decker Sabre Saw Blades are designed and manufactured by B&D to give longer life and faster cutting in wood, metal plastics, etc. They give maximum blade efficiency

with the Black & Decker H.D. Sabre Saws and also improve the cutting capabilities of many other makes of sabre saws. Buy them in quantity lots and save.

ALL SABRE SAW BLADES ARE COLOR CODED FOR QUICK IDENTIFICATION	Color	Blade Type	Cat. No.	Amt. per pkg.	Length	Teeth per inch	Uses
ALL-PURPOSE WOOD & COMPOSITION CUTTING							
	Silver	General Purpose	49098 49099	5 1	6" 12"	7 7	For general roughing-in work in wood. Resists embedded nails. Also cuts heavy gage non-ferrous metal tubing.
	Black	Fast Cutting Wood	49107 49108	5 1	6" 12"	3 3	For roughing-in work in wood.
	Black	Deluxe Fast Cutting Wood	49109	5	6"	6	For fast roughing-in work in wood. Long blade life.
	Orange	Flexible-Back Wood and Composition	49100 49101	5 1	6" 12"	6 6	For cutting wood, plaster, asphalt, builders 'Transite' and cast aluminum. For inaccessible flush cuts in wood, use 12" blade.
	Orange	Nail-Embedded Wood Cutting	49102 49103	5 5	4" 6"	10 10	For cutting nail-embedded wood, asbestos, plaster and plywood.
	Orange	Down Cutting	49104	5	6"	10	For down-cutting in wood where smooth edges are desired.
	Orange	Fine Wood Cutting	49105 49106	5 5	4" 6"	18 18	Especially useful for opening wood boxes and crates.
	Black	Pocket Cutting	49122	5	4 1/8"	6	For making pocket-cuts in wood, plaster and similar materials.
	Black	Double Edge	49123	5	4 1/8"	6	For making pocket cuts in wood, plaster, and similar materials. Cuts in both directions without removing blade from material—an EXCLUSIVE B&D feature.
	Black	Offset Flush Double Edge	49124	5	4 1/8"	6	For making flush cuts in corners and other tight spots in wood, plaster and similar materials.
SCROLL CUTTING WOOD AND COMPOSITION							
	Yellow	Fast Cutting Scroll	49110	5	3 3/8"	6	For fast cutting small radius holes and irregular cuts in wood, plaster and similar materials. Long blade life.
	Black	Wood & Composition Scroll Cutting	49121	5	3 3/8"	6	For cutting small radius holes and irregular cuts in wood, plaster and similar materials.
HIGH SPEED METAL CUTTING							
	Red	High Speed Metal Cutting	49111 49112 49113	10 10 10	2 3/4" 4" 6"	14 14 14	For cutting metals heavier than 1/8" (bar stock, angles, fiber 'Transite', hard rubber, etc.).
	Red		49114 49115 49116	10 10 10	2 3/4" 4" 6"	18 18 18	For cutting metals heavier than 18 gage (pipe, conduit, channels, tubing, etc.).
	Red		49117 52116	10 10	4" 6"	24 24	For cutting metals lighter than 18 gage (sheet, tubing, trim, etc.).
	Red		49118	10	4"	32	For cutting very light gage metals (sheet, tubing, trim, etc.).
HIGH SPEED SCROLL METAL CUTTING							
	Red	High Speed Scroll Metal Cutting	52464 49119 49120	10 10 10	3" 3" 3"	14 18 32	For cutting irregular contours in sheet metal heavier than 18 gage.
	White	Plaster Cutting Blade	52520 52521	5 5	6" 4 1/4"	5 5	For cutting plaster, plaster board, etc.

QUANTITY DISCOUNT: 10-24 LESS 5%; 25 AND OVER LESS 10%.

**NO. 11 HEAVY-DUTY JIG SAW Cat. No. 11**

- Here's a fast-working, powerful Jig Saw designed for **heavy-duty, continuous production operations.**
- Shoe is adjustable for bevel cuts to a depth of 1 3/8" on either side.
- Balanced reciprocating action eliminates vibration which gives you better control.
- Sturdy, compact field case fits snugly, comfortably in your hand.
- Construction is heavy-duty throughout for long service-life.
- Quickly and easily cuts through a 2 x 4 wood board.
- Blades are available (below) to cut metal sheets, rods, tubes, plastics, fiberglass, Masonite, leather, etc.
- **Duty Rating:** continuous duty.
- **Bearings:** 4 ball, 2 needle, 2 sleeve.
- **Switch:** heavy-duty toggle.

NO. 41 HEAVY-DUTY JIG SAW Cat. No. 41

- Low Priced Light Weight, Versatile Jig Saw for carpenters, electricians, plumbers and men in the service trades.
- Nylon Shoe Insert prevents splintering upper wood surface.
- Air flow from cooling system assures visible cutting line at all times.
- Makes its own starting hole for pocket cuts.
- Exclusive CYCLOID sawing action clears blade teeth on each stroke for faster cutting.
- Adjustable tilting shoe with quick-clamp lever for bevel cutting to 45°.
- Combination Rip Fence and Circle Guide included.
- **Duty-Rating:** continuous duty.
- **Bearings:** 2 roller, 3 needle.
- **Switch:** heavy-duty single pole trigger.

Standard Equipment (for No. 11): 3 high-speed wood cutting blades (Nos. 39754, 39755, 39756); one No. 49491 fine set tooth metal cutting blade; wrench for changing blades; **(for No. 41)** No. 49491 fine tooth metal cutting blade; No. 49493 medium tooth wood cutting blade; combination rip fence and circle cutting guide; wrench for blade changing.

Standard Voltages (universal motor): 115V or 220V AC/DC (others p. 1). Specify voltage.

Cat. No.	Efficient Rating		Stroke Length	Strokes per min.	Length	Height w/o blade	Rated at 115V	Net wt.	Ship. wt.
11	Soft Wood	Hardwood	1"	3300	9 1/4"	7 1/2"	2.5 amps.	6 lbs.	7 lbs.
41	1"	3/4"	5/8"	3000	7"	6 3/8"	2.5 amps.	4 1/2 lbs.	5 1/2 lbs.

JIG SAW BLADES

We make our own Jig Saw Blades and control their production to B&D's traditionally high standards of quality and performance. Only the best Saw Blade steel is used, tempered and cut to give you a wide variety of blades for many different uses. **Save time and money** by using **fast-cutting** B&D Jig Saw Blades for all of your jobs. Blades packed 10 per box except No. 46594 (one per envelope).

BLADES ARE COLOR CODED FOR QUICK IDENTIFICATION		Cat. No.	Lgth.	Color Code	Blade Type	Pocket Cuts	Blades fit most other makes of Jig Saws.
		49490	3"	Red	Coarse Set Tooth Metal Cutting	—	Cuts steel—16 gage to 10 gage. Cuts 3/32" to 3/16" aluminum, copper, brass. Cuts plastics, asbestos, Fiberglas, etc. 1/2" to 3/4" rigid conduit, 1/0 stranded cable and 3/16" buss bar.
		49491	3"	Red	Fine Set Tooth Metal Cutting	—	Cuts steel—22 gage to 13 gage. For cuts under 3/32" in aluminum, copper, brass. Cuts plastics, slate, Formica, Fiberglas. Also 1/2" to 3/4" thin wall conduit.
		49492	3"	Black	DELUXE Hollow Ground Fine Tooth Wood Cutting.	Yes	Deluxe series for faster, smooth scroll cuts in wood up to 3/4" thick. Precision hollow ground. Excellent for pocket cutting.
		49493	3"	Black	DELUXE Hollow Ground Medium Tooth Wood Cutting.	Yes	Deluxe series for faster, smooth scroll cuts in wood up to 3/4" thick. Precision hollow ground. Excellent for pocket cutting.
		49494	3"	Black	DELUXE Hollow Ground Coarse Tooth Wood Cutting.	Yes	Deluxe series for faster, smooth scroll cuts in wood up to 3/4" thick. Precision hollow ground. Excellent for pocket cutting.
		46594	1"	White	Knife Punch Blade	—	Especially useful to signmakers for scroll cutting all types of paper board materials. Excellent for making intricate pocket cuts in vinyl floor tiles for inlay work.
		39754	4 1/4"	Yellow	Fine Tooth Hi-Speed Steel Hollow Ground Wood Cutting.	—	For fine finish scroll cutting in wood, plywood, Masonite, plastics, etc. Also for 1/8" to 1/2" soft aluminum, brass. Maximum cut in wood—2".
		39755	4 1/4"	Yellow	Coarse Tooth (Narrow) Hi-Speed Steel Hollow Ground Wood Cutting.	—	For faster scroll cutting in wood, plywood, Masonite, etc. Maximum cut—2".
		39756	4 1/4"	Yellow	Coarse Tooth (Wide) Hi-Speed Steel Hollow Ground Wood Cutting.	—	For fast "production" cutting. Handles wood, plywood, Masonite, etc. up to 2" thick. Stays sharp longer. Saws through a 2 x 4 at 45°.
		39757	4"	Yellow	Fine Set Tooth Hi-Speed Steel Wood Cutting.	—	For scroll cutting in wood, plywood, Masonite, plastics, etc. Maximum cut in wood—2". Set tooth designed for excellent side-cutting action.
		39758	4"	Yellow	Coarse Set Tooth Hi-Speed Steel Wood Cutting.	—	Set tooth designed for excellent side-cutting action.
		54368	3"	Black	Coarse Tooth, Wood Cutting.	Yes	Makes fast cuts in wood, plywood, composition boards, etc.
		54369	3"	Black	Fine Tooth, Wood Cutting.	Yes	For smoother cuts in wood, plywood, composition boards, etc.
		54370	3"	Black	Coarse Tooth Hollow Ground.	—	For fast, very smooth cuts in wood, plywood, composition boards, etc.

QUANTITY DISCOUNT ON BLADES: 50 TO 99 LESS 5%; 100 OR MORE LESS 10%.

**SUPER-DUTY DUSTLESS BELT SANDER Cat. No. 841**

With full-power Dust Collector

- Revolutionary in design and performance. Sander motor is between the pulleys. Puts the weight on the work where it counts. Eliminates tilting, rocking and gouging. Inexperienced help can use it. Handles easily.
- The Only 2-Speed 3" x 24" Belt Sander on the market; the correct speed for each job; electric switch permits speed changes while motor is running.
- Exclusive full-power built-in Dust Collector gives constant suction—has its own motor. Zipper dust bag empties easily.
- Exclusive tracking mechanism automatically keeps correct tension on the belt.
- The only 3" x 24" Belt Sander that can use B&D "Lusterlon" belts for aluminum, brass, copper, stainless steel and lacquered work.
- 360° swivel dust bag. Perfect for flush-along-side sanding as well as open areas.
- Low maintenance; less down time; requires no lubrication.
- **Duty Rating:** continuous heavy-duty use.
- **Bearings:** (#841) 4 ball, 4 needle, 2 lubricant impregnated; (#840) 4 ball, 4 needle.
- **Switches:** heavy-duty double-pole trigger; 2-speed single-pole slider.

SUPER-DUTY BELT SANDER Cat. No. 840

Has all of the features and advantages of the No. 841 listed above except without Dust Collector. The perfect buy where lower price is a consideration and the collection of dust is unnecessary.

3" HEAVY-DUTY DUSTLESS BELT SANDER Cat. No. 470

- Provides clean, efficient sanding by using close-coupled vacuum unit driven by the belt sander motor.
- Zipper bag holds collected materials and empties easily.
- Dust collector unit is removable for flush sanding.
- High belt speed for fastest material removal.
- Convenient 'tracking' knob keeps belt centered on pulleys.
- Extended front pulley for working in small radii.
- Flush side for sanding up to vertical surfaces.
- Carbide-faced wear plates on belt housing for long life.
- Lever-action belt changer for quick and easy belt changing.
- **Duty Rating:** continuous heavy-duty use.
- **Bearings:** 4 ball, 2 lubricant impregnated.
- **Switch:** heavy-duty double-pole trigger.

3" HEAVY-DUTY BELT SANDER Cat. No. 454

Has all of the features and advantages of the No. 470 listed above except without dust collector. Where lower price is a factor and dust collection is not a requirement, this tool is your best buy.

DUST COLLECTING ASSEMBLY Cat. No. 49415

Converts Cat. No. 454 Belt Sander to Dust-Collecting model. For types G and H belt sanders. Standard equipment with No. 470 Belt Sander.

NEW 'LUSTERLON' BELTS Packed two per box. Permits finishing, polishing and cleaning of metals, wood or hard plastic laminates with our New Super-Duty Belt Sanders. Made of unwoven nylon mesh impregnated with abrasive. Does not clog or load. Water and oil resistant. Use of lubricants below with 'LUSTERLON' belts insures longer belt life and cooler operation. Lubricants can be washed from belts with kerosene.

Cat. No.	Type	Grit	Belt Size	Representative Applications
C58384	Silicon Carbide	150 coarse	3" x 24"	Cleans and renews stainless steel finish on structural forms and panels; gives satin finish to metals prior to plating; removes scuff marks from plastic floor tile, etc.
C58385	Silicon Carbide	280 medium	3" x 24"	Refinishes wood, linoleum or plastic desk tops; cleans old painted surfaces prior to repainting; produces satin finish on painted surfaces; removes scuff marks from wood floors; finishes sealer coat prior to painting or varnishing, etc.
C58386	Silicon Carbide	500 fine	3" x 24"	Cleans corrosion from copper foil printed circuit boards; removes oxidation from aluminum, chromium, etc.; gives glass finish on color coat on cabinets, etc.; gives satin finish on plastic panels such as Formica, etc.; polishes furniture, boats, etc.

SANDING BELTS Precision-made to give maximum abrasive action. Exactly cut and bonded for perfect fit. Packed 10 per box. **QUANTITY PRICES: SEE B&D PRICE LIST AND SAVE.**

Belt Type and Use		Cat. No.	Grit	Cat. No.	Grit
CLOSED COAT ALUMINUM OXIDE for unfinished or new wood, ferrous metal, non-ferrous metals (aluminum, lead, copper, solder).		C58368	36 coarse	C58376	80 medium
		C58370	40 coarse	C58378	100 fine
		C58372	50 medium	C58380	120 fine
		C58374	60 medium		
OPEN COAT ALUMINUM OXIDE for removing lacquer, paint or varnish. Also for green or resinous wood.		C58367	24 coarse	C58375	60 medium
		C58369	36 coarse	C58377	80 medium
		C58371	40 coarse	C58379	100 fine
		C58373	50 medium		

SANDING BELT ASSORTMENT Cat. No. 58381

Contains 3 Cat. No. C58369 (36 grit open), 2 Cat. No. C58373 (50 grit open), 2 Cat. No. C58374 (60 grit closed), 3 Cat. No. C58378 (100 grit closed).

COMPARATIVE SPECIFICATIONS

Standard Equipment: one No. 45393 3" x 24" 60-grit closed coat sanding belt.

Standard Voltages (universal motor): (for Nos. 841 and 840) 115V or 220V AC; (for Nos. 470 and 454) 115 or 220V AC/DC (others p.1). Specify voltage.

Cat. No.	Belt size ins.	No-load Belt Speed, SFPM		Rated at 115V		Height	Width	Length	Net wt. lbs.	Ship. wt. lbs.
		High Speed	Low Speed	High Speed	High Speed					
841	3 x 24	1700*	1400†	8.5 amps.	9 1/8"	5 1/4"	15" + bag	14 3/4	17 1/2	
840	3 x 24	1700*	1400†	7 amps.	7 1/2"	4 1/2"	15"	12	14 3/4	
470	3 x 24	1700		7 amps.	13 1/2"	7 1/4"	13 1/2" + bag	15	18	
454	3 x 24	1700		7 amps.	7 1/4"	5 3/8"	13 1/2"	14	17	

*Speed used for fast stock removal.

†Speed used for blending and finishing.

**'LUSTERLON' BELT LUBRICANTS**

Cat. No. C58557 'LUSTER-LUBE' For finishing and polishing of metals. 1 1/4 lb. tube.

Cat. No. C58599 'LUSTER-LIQUID' Polish. For final finishing of lacquered wood or hard plastic laminates. 1 pint can.

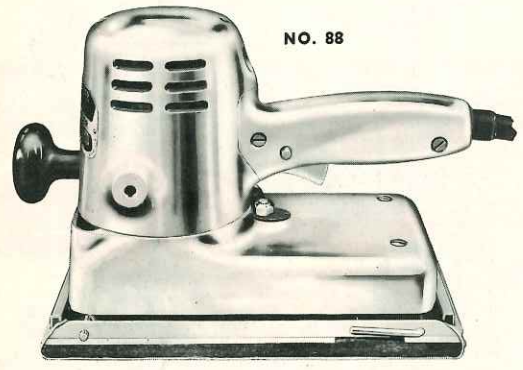




NO. 48

- NO. 48 HEAVY-DUTY FINISHING SANDER** Cat. No. 48

 - Performs fine finishing, free of swirl marks, on wood, metal, plastics.
 - Sands equally well in open areas or flush.
 - Vital parts shielded from dust for longer life.
 - Long brush life cuts maintenance costs.
- Knob handle mounts in 3 positions for additional control.
 - **Duty Rating:** continuous production service.
 - **Bearings:** 1 ball, 2 roller, 2 needle.
 - **Switch:** instant release trigger with locking pin.



NO. 88

- NO. 88 HEAVY-DUTY FINISHING SANDER** Cat. No. 88

 - Fastest sanding. Most powerful orbital sander you can buy.
 - King-size bottom plate equipped with sponge-rubber pad, extended beyond the body of the tool permitting sanding in close quarters such as against the riser of a stair tread.
 - No swirl marks. Sander can be moved with, against or across wood grain.
- Exhaust from back of Sander keeps dust out of operator's face.
 - **Duty Rating:** continuous production service.
 - **Bearings:** 4 ball.
 - **Switch:** instant release trigger with locking pin.

Accessory and Replacement Part for No. 88 Sander
Cat. No. 47678 Felt Pad and Plate.
Cat. No. 47679 Rubber Pad and Plate (standard with the No. 88 Sander).

ABRASIVE PAPERS

Electro-coated aluminum-oxide, open-coat abrasive papers.
Packed in envelopes of 10 sheets.

Cat. No.	For No. 48 Sander Size	Grit	Cat. No.	For No. 88 Sander Size	Grit
54371	3 3/8" x 9"	#60 or 1/2/0 Grit (coarse)	39765	4 1/2" x 11"	#60 or 1/2/0 Grit (coarse)
54372	3 3/8" x 9"	#100 or 2/0 Grit (medium)	39766	4 1/2" x 11"	#100 or 2/0 Grit (medium)
54373	3 3/8" x 9"	#150 or 4/0 Grit (fine)	39767	4 1/2" x 11"	#150 or 4/0 Grit (fine)



COMPARATIVE SPECIFICATIONS

Standard Equipment: (for No. 48) 3 sheets of 3 3/8" x 9" abrasive paper and key for paper holder; (for No. 88) one sheet of 4 1/2" x 11" abrasive paper; (for both) 3 position knob handle.
Standard Voltages: (universal motor): (for No. 48) 115V AC/DC (others p. 1); (for No. 88) 115V or 220V AC/DC (others p. 1). Specify voltage.

Cat. No.	Orbits per min.	Abrasive Paper	Length	Sander Size Width	Height	Rated at 115V	Net wt.	Ship. wt.
48	4300	3 3/8" x 9"	9 1/2"	3 3/8"	6 3/8"	2.3 amps.	5 1/2 lbs.	6 1/4 lbs.
88	5000	4 1/2" x 11"	10 1/4"	4 1/2"	7"	2.8 amps.	8 1/2 lbs.	10 1/2 lbs.



7" BALL-BEARING SANDER Cat. No. 676

- A light, well-balanced Sander for sanding, brushing, polishing and rubbing jobs. Switch and ball-bearings are sealed against dust and dirt. Accessory recommendations for the various speeds are listed below.
- **Duty Rating:** continuous heavy-duty use.
- **Bearings:** 5 ball, 1 needle.
- **Switch:** heavy-duty double pole trigger.

Standard Equipment: auxiliary side handle which fits either side of tool.
Standard Voltages: (universal motor): 115V or 220V AC/DC (others p. 1). Specify voltage.

Spindle	Lgth.	Rated at 115V	Net Wt.	Ship. Wt.
5/8" x 11 thd.	7 5/16"	5 amps.	6 1/4 lbs.	8 lbs.

RECOMMENDED ACCESSORIES APPLICATIONS FOR THE 7" BALL-BEARING SANDER ABOVE

Cat. No.	RPM	Type of Sander Accessory	Applications
676-10 676-14	1000 1400	No. 51824 7" Q.C. Super-Flexible Rubber Backing Pad (p. 40)	Contour Sanding
		No. 51824 7" Q.C. Super-Flexible Rubber Backing Pad (p. 40), Abrasive Discs.*	Fiberglass Sanding, Plastics Sanding, Sanding Undercoat.
		Nos. 37796 and 37797 Vitri-Buff Bonnets, No. 45434 Vitri-Buff Pad, No. 36501 7 3/4" Pile Fabric Rubbing Pad at right.	Rubbing out lacquer, Glass polishing.
676-20	2000	No. 51824 7" Q.C. Super-Flexible Rubber Backing Pad (p. 40).	Contour Sanding
		No. 51824 7" Q.C. Super-Flexible Rubber Backing Pad (p. 40).	Metal and Wood Sanding
		No. 31000 6 3/4" 'Kooflex' Backing Pad (p. 41), Abrasive Discs.*	Waxing
		Nos. 37796 and 37797 Vitri-Buff Bonnets at right.	Wire Brushing
676-35	3500	No. 31000 6 3/4" 'Kooflex' Backing Pad (p. 41), No. 51824 7" Q.C. Super-Flexible Rubber Backing Pad (p. 40), Abrasive Discs.*	Finish Sanding on Metal and Wood
		No. 18056 4" Wire Cup Brush (p. 40).	Wire Brushing

*Not sold by Black & Decker.

CUSHION PAD

A superior cushioning pad for use with spindle. Note serrations which give Vitri-Buff Bonnets. Threads directly on extra flexibility for getting in tight corners.
Cat. No. 36239. Cushion Pad with No. 45925 Clamp Washer.

SPONGE RUBBER PAD

Use on Cat. No. 676 Sander with No. Rubber Backing Pad.
51824 7" Quick-Change Super-Flexible
Cat. No. 22174. 7" Sponge Rubber Pad.

VITRI-BUFF BONNETS AND PADS

Each tuft is twisted and locked to backing pad by patented construction method. Outlasts other buffs many times over. High quality.
Very resilient, stronger pile, more body.

Cat. No. 37796. *Vitri-Buff Bonnet with hood and drawstring. (Use with No. 51824 7" Quick-Change Super-Flexible Rubber Backing Pad). p. 41.

Cat. No. 37797. *Vitri-Buff Bonnet with hood and drawstring. (Use with No. 36239 Cushion Pad alone, also with No. 51824 7" Quick-Change Super-Flexible Rubber Backing Pad coupled with No. 22174 Sponge Rubber Pad).

Cat. No. 45434. 7 1/2" Vitri-Buff Pad.

*Substantial saving in carton of six.

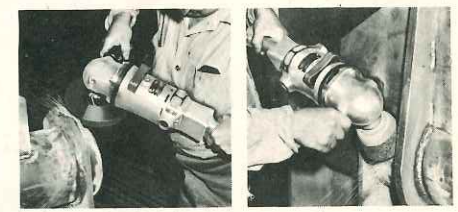
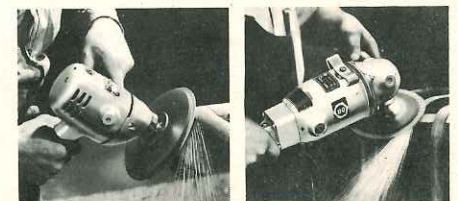
RUBBING PADS (Felt and Pile Fabric)

For rubbing down "orange peel" in lacquer finishes, etc. Attaches directly to flexible pad.

Cat. No. 36501. 7 3/4" Pile Fabric Rubbing Pad.
Cat. No. 36500. 9 1/4" Pile Fabric Rubbing Pad.
Cat. No. 10661. 7" Felt Rubbing Pad.



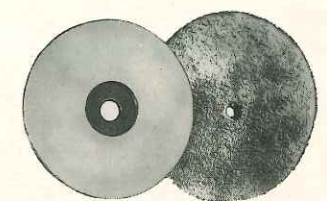
THERE'S A B&D ABRASIVE TOOL BUILT TO HANDLE YOUR JOB.



CUSHION PAD



VITRI-BUFF BONNET



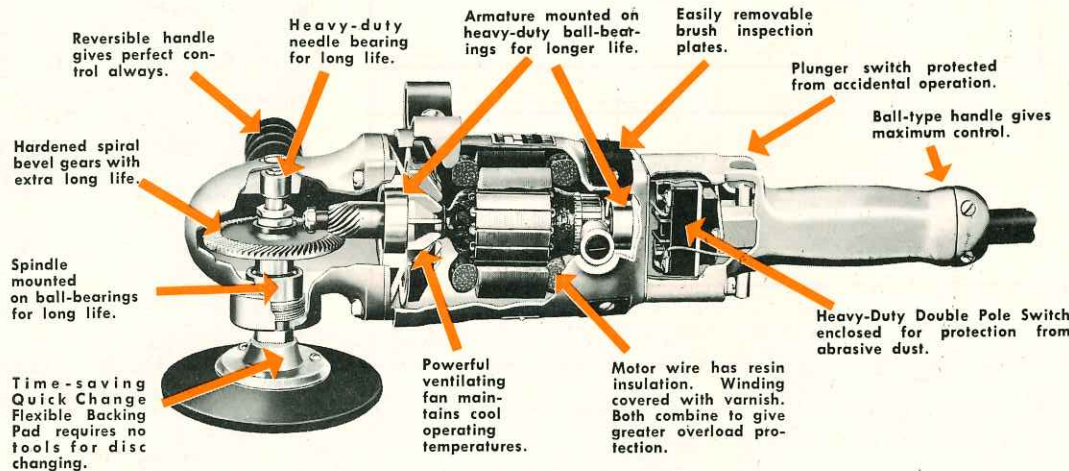
PILE FABRIC PAD

FELT PAD

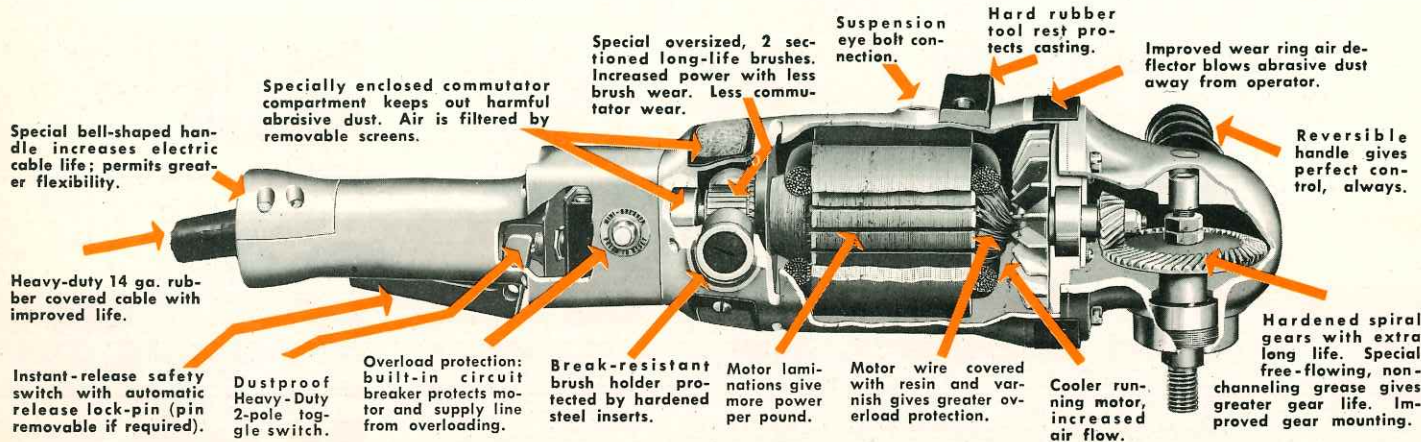
Black & Decker

Sanders and Angle Grinders are TOP PERFORMANCE Abrasive Tools which perform almost every kind of surfacing job. With Abrasive Discs—they handle all sanding, from fast material removal to satin-smooth finishing. With Flaring Cup Wheels and Depressed Center Wheels—they smooth welds and casting ridges; cut off old studs, bolts and rivets. With Wire Cup Brushes—they remove paint, rust, scale; clean castings, tanks, vats, boilers, sheet metal and soldered joints. There is a COMPLETE LINE of B&D Abrasive Tools ranging all the way from the low cost, compact Servicemaster Sander up to the Super-Duty Sanders and Super-Duty Angle Grinders. Each one is packed with POWER for fast, economical work and is built for LONG-LIFE and low maintenance costs. Check the cutaway views of the Sanders and Grinders below and then see the following pages for tools that cut costs and save time and money for you.

HEAVY-DUTY SANDERS AND GRINDERS



SUPER-DUTY SANDER AND GRINDERS



SUPER-DUTY SANDERS

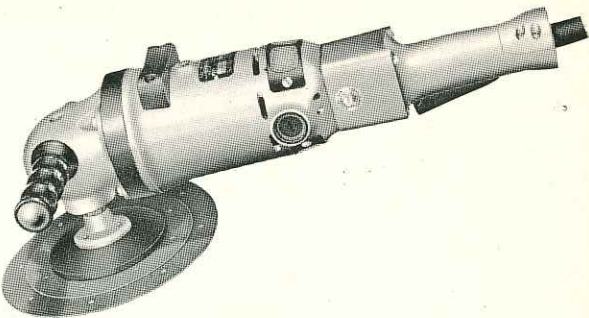
Extra Heavy-Duty Construction and Performance

Cat. No. 797-5 5000 R.P.M.
Cat. No. 797-6 6000 R.P.M.

- **Sets the Pace for Sander Industry.** Does jobs not possible before.
- **Super Powerful Motor.** Produces more torque for fast material removal.
- **Longest Life.** Commutator wear reduced by oversized 2-section brushes. Heavy-duty ball-bearings locked in races for longer life.

Motor brush holders protected by steel rings. Special gear grease for perfect non-channeling flow.

- **Dust Protected.** Commutator protected by stainless steel air filter.
- **Double Overload Protection.** Built-in circuit breaker; special resin and varnish on motor wire.



9" HEAVY-DUTY INDUSTRIAL SANDERS

For Heavy-Duty Industrial Use

Cat. Nos. 433-4 & 833-4 4000 R.P.M.

7" HEAVY-DUTY SANDER

For Medium Industrial Use

Cat. No. 92 4250 R.P.M.

7" HEAVY-DUTY INDUSTRIAL SANDERS

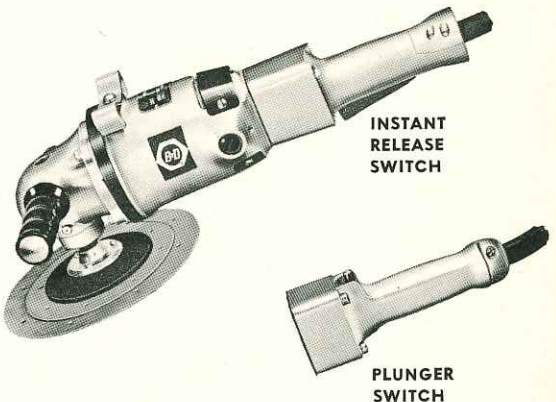
For Heavy-Duty Industrial Use

Cat. Nos. 590-5 & 890-5 5000 R.P.M.
Cat. Nos. 590-6 & 890-6 6000 R.P.M.

- **Speeds To Suit Each Job.** 4000 R.P.M. for continuous use, heavy-duty jobs requiring the full power of the tool. 4250 R.P.M. for medium industrial use. 5000 R.P.M. for continuous use, heavy-duty jobs at a medium rate of speed. 6000 R.P.M. for heavy-duty use with accessories that operate best when high sanding speed and light pressure are used.

armature ball-bearing mounted; hardened spiral bevel gears.

- **Switch Protected From Dust.** Abrasive dust kept out by switch enclosure.
- **Comfortable To Handle.** Powerful ventilating fan keeps tool cool; ball type handle for maximum control.
- **Fast Disc Changes.** Quick-Change Backing Pad requires no tools.
- **Higher Overload Capacity.** M-L wire in motor withstands high overloads.

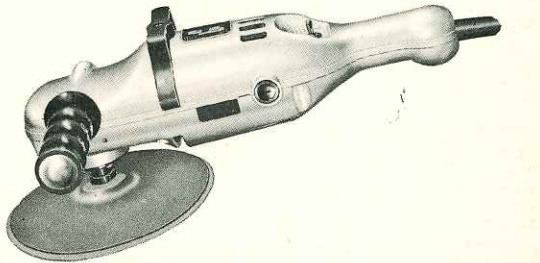


7" SERVICEMASTER SANDER

Cat. No. 684

- Compact, sturdy low cost.
- Contains outstanding features found in higher priced sanders only.
- Spiral beveled gears for long life and smooth power transmission.
- Rugged aluminum housing wears well under toughest conditions.

- Exhaust air is deflected away from operator for comfortable use.
- Enclosed, recessed toggle switch is protected from abrasive dust.
- Contoured handle is shaped for perfect control.
- Reversible side handle.
- Non-marring tool rest.



SEE PAGE 39 FOR RECOMMENDED ACCESSORIES

Standard Voltages (universal motor): (Super-Duty Sanders) 115V or 220V AC only (for DC operation remove circuit breaker); (Heavy-Duty and Servicemaster Sanders) 115V or 220V AC/DC; (all Sanders—other voltages p. 1). Specify voltage.

Standard Equipment: (Super-Duty Sanders) instant release switch; No. 50928 4 3/4" Quick-Change backing pad; No. 31000 6 3/4" and No. 31001 8 7/8" 'Koolflex' backing pads; reversible side handle; hard rubber stand; spindle lock. (9" H.D. Sanders): plunger switch for No. 433-4; instant release switch for No. 833-4; No. 50928 4 3/4" Quick-Change backing pad; No. 31000 6 3/4" and No. 31001 8 7/8" 'Koolflex' backing pads; spindle lock; No. 50933 clamp washer; strap metal stand; reversible side handle. (No. 92 7" H.D. Sander): plunger switch; spindle lock; reversible side handle; strap metal stand; No. 50933 clamp washer; No. 50934 6 1/2" Quick-Change backing pad. (7" H.D. Industrial Sanders): plunger switch for Nos. 590-5 and -6; instant release switch for Nos. 890-5 and -6; No. 50928 4 3/4" Quick-Change backing pad and No. 31000 6 3/4" 'Koolflex' backing pad; spindle lock; No. 50933 clamp washer; strap metal stand; reversible side handle. (Servicemaster Sander): toggle switch; No. 51824 7" Quick-Change super-flexible rubber backing pad with No. 50933 clamp washer; reversible side handle; Cycloc® polystyrene plastic stand; No. 22231 spanner wrench.

Cat. No.	No-load R.P.M.	Rated at 115V	Backing Pad Dia.	Switch		Spindle Thread	Lgth. w/o Pad	Net wt. lbs.	Ship. wt. lbs.
				Instant Release Lever	Plunger Switch				
797-5	5000	15 amps.	4 3/4"	Yes	—	5/8"-11	20 1/4"	17	22
797-6	6000	15 amps.	4 3/4"	Yes	—	5/8"-11	20 1/4"	17	22
433-4	4000	12 amps.	8 7/8"	—	Yes	5/8"-11	18 3/16"	14	19
833-4	4000	12 amps.	8 7/8"	Yes	—	5/8"-11	18 3/16"	14 1/2	19 1/2
590-5	5000	12 amps.	6 3/4"	—	Yes	5/8"-11	18 3/16"	13 3/8	17 3/4
890-5	5000	12 amps.	6 3/4"	Yes	—	5/8"-11	18 3/16"	14 1/4	18 1/8
590-6	6000	12 amps.	6 3/4"	—	Yes	5/8"-11	18 3/16"	13 3/8	17 3/4
890-6	6000	12 amps.	6 3/4"	Yes	—	5/8"-11	18 3/16"	14 1/4	18 1/8
92	4250	6.5 amps.	6 1/2"	—	Yes	5/8"-11	17 3/4"	10 5/8	13
684	3500	5.2 amps.	7"	toggle		5/8"-11	14"	8 1/4	10 1/4



SUPER-DUTY ANGLE GRINDERS

Extra Heavy-Duty Construction and Performance

9" SUPER-DUTY ANGLE GRINDER

Cat. No. 797G-5 5000 R.P.M.

7" SUPER-DUTY ANGLE GRINDERS

Cat. No. 797G-6 6000 R.P.M.
Cat. No. 797G-8 8000 R.P.M.

- **Superior Power.** Special motor laminations give most power per pound.
- **Tremendous Speed Under Load.** Outperforms all others in doing jobs fast.
- **Longest Life.** Commutator wear reduced by oversized 2-section brushes. Heavy-Duty ball-bearings locked in races for longer life. Motor brush holders protected by steel rings. Special gear grease for perfect non-channeling flow.
- **A Speed For Every Job.** 5000 R.P.M., 6000 R.P.M. and 8000 R.P.M. speeds to choose from.
- **Sets The Pace For The Industry.** Does jobs not possible before.
- **Dust Protected.** Commutator protected by stainless steel air filter.
- **Double Overload Protection.** Built-in circuit breaker; special resin and varnish on motor wire.



USE ONLY WITH DEPRESSED CENTER WHEELS RATED 8500 R.P.M. OR ABOVE. DO NOT USE WITH FIBRE SANDING DISCS.

SEE PAGE 39 FOR
RECOMMENDED ACCESSORIES

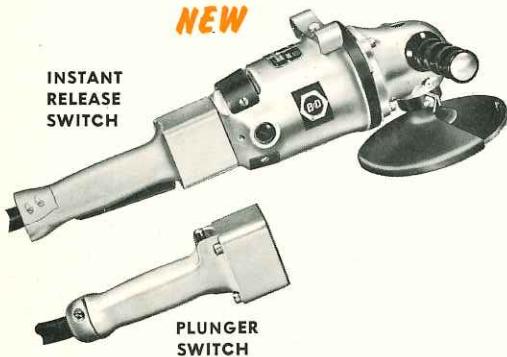
9" HEAVY-DUTY ANGLE GRINDERS

Cat. Nos. 433G-4 & 833G-4 4000 R.P.M.

7" HEAVY-DUTY ANGLE GRINDERS

Cat. Nos. 590G-5 & 890G-5 5000 R.P.M.
Cat. Nos. 590G-6 & 890G-6 6000 R.P.M.

- **Choice Of Speeds.** 4000 R.P.M., 5000 R.P.M. and 6000 R.P.M. give the proper tool for each job.
- **Built For Long Life.** Spindle and armature ball-bearing mounted, hardened spiral bevel gears.
- **Packed With Power.** Dependable Black & Decker motor gives peak performance on all jobs.
- **Comfortable To Handle.** Powerful ventilating fan keeps tool cool; ball-type handle for maximum control.
- **Switch Protected From Dust.** Abrasive dust kept out by switch enclosure.
- **Higher Overload Capacity.** M-L wire in motor withstands high overloads.



COMPARATIVE SPECIFICATIONS

Standard Voltages (universal motor): (Super-Duty Angle Grinders) 115V or 220V AC only (for DC operation remove circuit breaker); (Heavy-Duty Angle Grinders) 115V or 220V AC/DC; (all Angle Grinders—other voltages p. 1). Specify voltage.

Standard Equipment: (9" Super-Duty Angle Grinders) instant release switch; No. 37114 9" x 1/4" depressed center wheel; No. 37109 9" guard assembly; hard rubber stand; reversible side handle; spindle lock; No. 22191 clamp washer; No. 22231 spanner wrench. (7" Super-Duty Angle Grinder): instant release switch; No. 37112 7" x 1/4" depressed center wheel and No. 50885 7" guard assembly for No. 797G-6; No. 52524 7" x 1/4" depressed center wheel and No. 50885 7" guard assembly for No. 797G-8; hard rubber stand; reversible side handle; spindle lock; No. 22191 clamp washer; No. 22231 spanner wrench. (9" H.D. Angle Grinders): plunger switch for No. 433G-4; instant release switch for No. 833G-4; No. 37114 9" x 1/4" depressed center wheel; No. 37109 9" guard assembly; hard rubber stand; reversible side handle; spindle lock; No. 22191 clamp washer; No. 22231 spanner wrench. (7" H.D. Angle Grinders): plunger switch for Nos. 590G-5 and -6; instant release switch for No. 890G-5 and -6; No. 37114 9" x 1/4" depressed center wheel and No. 37109 9" guard assembly for Nos. 433G-4 and 833G-4; No. 37112 7" x 1/4" depressed center wheel and No. 50885 7" guard assembly for Nos. 590G-5 and -6 and 890G-5 and -6; hard rubber stand; reversible side handle; spindle lock; No. 22191 clamp washer; No. 22231 spanner wrench.

For Cat. No.	No-load R.P.M.	Rated at 115V	Depressed Center Wheel	Switch		Spindle Thread	Lgth. w/o Dep. Ctr. Wheel	Net wt. lbs.	Ship. wt. lbs.
				Instant Release Lever	Plunger				
797G-5	5000	15 amps.	9" x 1/4"	Yes	—	5/8"-11	20 1/4"	19	24 1/4
797G-6	6000	15 amps.	7" x 1/4"	Yes	—	5/8"-11	20 1/4"	18 3/4	24
797G-8	8000	15 amps.	7" x 1/4"	Yes	—	5/8"-11	20 1/4"	18 3/4	24
433G-4	4000	12 amps.	9" x 1/4"	—	Yes	5/8"-11	18 3/16"	14 3/4	19 3/4
833G-4	4000	12 amps.	9" x 1/4"	Yes	—	5/8"-11	18 3/16"	15 1/4	20 1/4
590G-5	5000	12 amps.	7" x 1/4"	—	Yes	5/8"-11	18 3/16"	14 3/4	18 3/4
890G-5	5000	12 amps.	7" x 1/4"	Yes	—	5/8"-11	18 3/16"	15 1/8	19
590G-6	6000	12 amps.	7" x 1/4"	—	Yes	5/8"-11	18 3/16"	14 3/4	18 3/4
890G-6	6000	12 amps.	7" x 1/4"	Yes	—	5/8"-11	18 3/16"	15 1/8	19



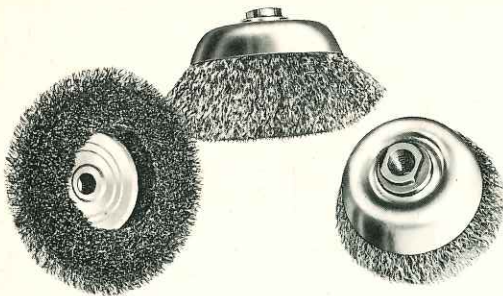
SANDERS AND ANGLE GRINDERS ACCESSORIES CHART

There's a Black & Decker Sander or Grinder Attachment for every abrasive job you have to do. Here is the complete coordination between our right angle Sanders and Angle Grinders and the accessories with which they can be used. Start, now, to enjoy the benefits that they give.

Cat. No.	Accessory	For Accessory info. see page	7" Service-master Sander No. 684	S-D Sander 5000 R.P.M. No. 797-5	S-D Sander 6000 R.P.M. No. 797-6	9"H-D Indust. Sander 4000 R.P.M. Nos. 433-4 833-4	7"H-D Indust. Sander 5000 R.P.M. Nos. 590-5 890-5	7"H-D Indust. Sander 6000 R.P.M. Nos. 590-6 890-6	7"H-D Sander 4250 R.P.M. No. 92	7"S-D Angle Grinder 8000 R.P.M. No. 797G-8	9"S-D Angle Grinder 5000 R.P.M. No. 797G-5	7"S-D Angle Grinder 6000 R.P.M. No. 797G-6	9"H-D Angle Grinder 4000 R.P.M. Nos. 433G-4 833G-4	7"H-D Angle Grinder 5000 R.P.M. Nos. 590G-5 890G-5	7"H-D Angle Grinder 6000 R.P.M. Nos. 590G-6 890G-6
18056*	4" Wire Cup Brush	40	Yes	Yes	Yes	Yes	Yes	Yes	Yes	—	Yes	Yes	Yes	Yes	Yes
24353*	5" Wire Cup Brush	40	—	Yes	Yes	Yes	Yes	Yes	—	—	Yes	Yes	Yes	Yes	Yes
12398*	6" Wire Cup Brush	40	—	Yes	—	Yes	Yes	—	—	—	Yes	—	Yes	Yes	—
24050†	4" Flaring Cup Wheel	40	Yes	Yes	Yes	Yes	Yes	Yes	Yes	—	Yes	Yes	Yes	Yes	Yes
23444†	5" Flaring Cup Wheel	40	—	Yes	Yes	Yes	Yes	—	—	—	Yes	Yes	Yes	Yes	—
18039†	6" Flaring Cup Wheel	40	—	Yes	—	Yes	—	—	—	—	Yes	—	Yes	—	—
37219†	5" Flaring Cup Wheel (concrete)	40	—	Yes	Yes	Yes	Yes	—	—	—	Yes	Yes	Yes	Yes	—
37220†	6" Flaring Cup Wheel (concrete)	40	—	Yes	—	Yes	—	—	—	—	Yes	—	Yes	—	—
38507	4" Flaring Cup Wheel Guard	40	These Flaring Cup Wheel Guards should always be used with the Flaring Cup Wheels listed above for safe operation.												
38508	5" Flaring Cup Wheel Guard	40													
38509	6" Flaring Cup Wheel Guard	40													
50928	4 3/4" Quick-Change Flex. Backing Pad	40	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
50934	6 1/2" Quick-Change Flex. Backing Pad	40	—	Yes	Yes	Yes	Yes	Yes	Yes	—	Yes	Yes	Yes	Yes	Yes
51824	7" Quick-Change Flex. Backing Pad	40	—	—	—	Yes	—	—	Yes	—	—	—	Yes	—	—
33489	5" Flexible Backing Pad	40	Yes	Yes	Yes	Yes	Yes	Yes	Yes	—	Yes	Yes	Yes	Yes	Yes
52524*	8500 R.P.M. Depressed Center Wheel	41	—	—	—	—	—	—	—	Yes	—	—	—	—	—
37111*	7" x 1/8" Depressed Center Wheel	41	—	Yes	Yes	Yes	Yes	Yes	Yes	—	Yes	Yes	Yes	Yes	Yes
37113*	9" x 1/8" Depressed Center Wheel	41	—	Yes	Yes	Yes	Yes	—	—	—	Yes	Yes	Yes	—	—
37114*	9" x 1/4" Depressed Center Wheel	41	—	Yes	Yes	Yes	Yes	—	—	—	Yes	Yes	Yes	—	—
37112*	7" x 1/4" Depressed Center Wheel	41	—	Yes	Yes	Yes	Yes	Yes	Yes	—	Yes	Yes	Yes	Yes	Yes
57430*	7" x 1/4" Depressed Center Wheel (concrete)	41	Yes	Yes	Yes	Yes	Yes	Yes	—	Yes	Yes	Yes	Yes	Yes	—
31000	6 3/4" 'Koolflex' Backing Pad	41	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
31001	8 7/8" 'Koolflex' Backing Pad	41	—	Yes	Yes	Yes	Yes	Yes	—	—	Yes	Yes	Yes	Yes	Yes
36501	7 3/4" Fabric Backing Pad	41	—	—	—	Yes	—	—	Yes	—	—	—	Yes	—	—

* QUANTITY DISCOUNT: 10-49 LESS 5%; 50 OR MORE LESS 10%

† QUANTITY DISCOUNT: 5-24 LESS 5%; 25 OR MORE LESS 10%



WIRE CUP BRUSHES (Fit on all tool spindles having 5/8"-11 thread. Maximum safe speed 6000 R.P.M.)

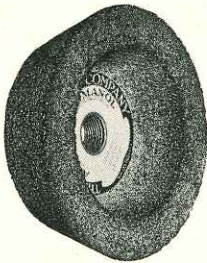
SEE PAGE 46 FOR COMPLETE WIRE BRUSH LISTING

Made in our own plant, for use on all Portable Electric Sanders. Well built of finest quality wire to give long service on the toughest kinds of cleaning operations. Use these Wire Cup Brushes for

removing rust and scale from all metal surfaces; for cleaning tanks and boat hulls; for taking off old paint; for cleaning castings and structural metal.

- Catalog Number 18056 4" Wire Cup Brush (.020"-crimped).
- Catalog Number 24353 5" Wire Cup Brush (.020"-crimped).
- Catalog Number 12398 6" Wire Cup Brush (.020"-crimped).

QUANTITY DISCOUNT: 10-49 LESS 5%; 50 OR MORE LESS 10%.



FLARING CUP WHEELS (Fit on all tool spindles having 5/8"-11 thread)

SEE PAGE 45 FOR COMPLETE GRINDING WHEEL LISTING

For some metal grinding applications, the Sander equipped with a Flaring Cup Wheel does smoother and faster work than a Portable Grinder.

- Catalog Number 24050 4" Flaring Cup Wheel.
- Catalog Number 23444 5" Flaring Cup Wheel.
- Catalog Number 18039 6" Flaring Cup Wheel.
- Catalog Number 37219 5" Flaring Cup Wheel for surfacing concrete.
- Catalog Number 37220 6" Flaring Cup Wheel for surfacing concrete.

ALWAYS USE FLARING CUP WHEEL GUARD WITH ABOVE.

QUANTITY DISCOUNT: 5-24 LESS 5%; 25 OR MORE LESS 10%.



FLARING CUP WHEEL GUARDS

Provide safe operating conditions when using Flaring Cup Wheels.

- Catalog Number 38507 4" Flaring Cup Wheel Guard.
- Catalog Number 38508 5" Flaring Cup Wheel Guard.
- Catalog Number 38509 6" Flaring Cup Wheel Guard.



CUP GRINDING WHEEL (Fit on all tool spindles having 5/8"-11 thread)

SEE PAGE 45 FOR COMPLETE GRINDING WHEEL LISTING

- Catalog Number 10663 4" Cup Grinding Wheel.
- Catalog Number 10711 Spindle Adaptor.

Use No. 10711 Spindle Adaptor to attach Grinding Wheel to Sander.

Grinding Wheel is clamped between the two flanges of the Spindle Adaptor and assembly is then attached to the threaded spindle of the Sander. Tightened by nut on the end. The entire

QUANTITY DISCOUNT: 5-24 LESS 5%; 25 OR MORE LESS 10%.



QUICK-CHANGE FLEXIBLE BACKING PADS

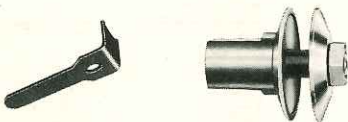
Change Sanding Discs 50% Faster. Requires no tools. Fits any 5/8"-11 thread spindle.

- Catalog Number 50928 4 3/4" Quick-Change Flexible Backing Pad, with No. 50933 Clamp Washer.
- Catalog Number 50934 6 1/2" Quick-Change Flexible Backing Pad, with No. 50933 Clamp Washer.
- Catalog Number 51824 7" Quick-Change Super-Flexible Rubber Backing Pad with No. 50933 Clamp Washer.



FLEXIBLE BACKING PAD

Catalog Number 33489 5" Rubber Backing Pad with No. 45925 Clamp Washer. Can be used with No. 31000 6 3/4" 'Kooflex' Backing Pad on next page.



MISCELLANEOUS ATTACHMENTS

Sander Spindle Adapter—Catalog Number 30571 A bushing, threaded inside and outside to adapt Black & Decker Sander pads and attachments to Sanders with 3/8" diameter threaded Spindles.

Spanner Wrench—Catalog Number 22231 For use in tightening clamp washers on Sanders.

LUBRICANTS

For Super-Duty Sanders & Angle Grinders, Circ. Saws—
No. 51395. 1 lb. Can Special Gear Grease.

For Sanders, Drills, Tappers, Screwdrivers, Port. Grinders and Shears.

- No. 23638. 1 lb. Can Std. Gear Grease.
- No. 32907. 5 lb. Can Std. Gear Grease.



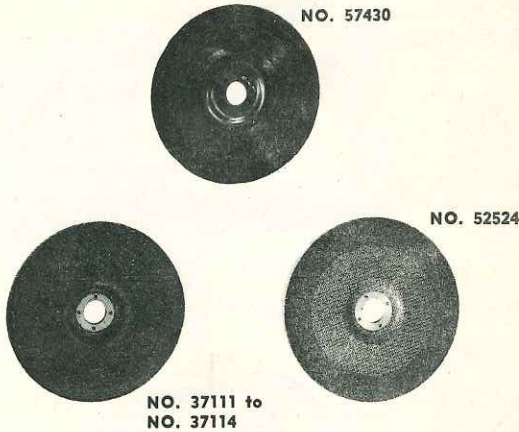
DEPRESSED-CENTER WHEELS

For Super-Duty and Heavy-Duty Sanders and 8000 R.P.M. Super-Duty Angle Grinder. See page 39 for recommended sizes to use for various speed tools. Perform to best advantage on rough surfaces, giving a better finish than that which is possible with a grinding wheel or where the application is too severe

for highly flexible, coated, abrasive discs. They do have sufficient flexibility, however, to lend themselves to blending and smoothing curved surfaces and corners. They have a No. 24 grit (No. 57430 has No. 16 grit). For jobs requiring special grits, please see your Black and Decker representative.

- Cat. No. 37111 7" x 1/8" x 7/8" Depressed Center Wheel.
- Cat. No. 37112 7" x 1/4" x 7/8" Depressed Center Wheel.
- Cat. No. 57430 7" x 1/4" x 7/8" Depressed Center Wheel for Concrete.
- Cat. No. 37113 9" x 1/8" x 7/8" Depressed Center Wheel.
- Cat. No. 37114 9" x 1/4" x 7/8" Depressed Center Wheel.
- Cat. No. 52524 7" x 1/4" x 7/8" 8500 R.P.M. Depressed Center Wheel. For 8000 R.P.M. Super-Duty Angle Grinder.

DEPRESSED WHEEL QUANTITY PRICES: 10-49 less 5% 50 or more less 10%.



GUARD ASSEMBLIES

Used on Sanders and Angle Grinders with Depressed Center Wheels listed above.

- Cat. No. 50885 7" Guard Assembly. For 7" depressed center wheels.
- Cat. No. 37109 9" Guard Assembly. For 9" depressed center wheels.



DISC WHEEL ADAPTORS

- Cat. No. 54338 Disc Wheel Adaptor. For use with depressed center (other than No. 57430) and "koolie-hat" wheels. Includes wheel backing flange, No. 22191 clamp washer; No. 22231 spanner wrench.
- Cat. No. 57443 Disc Wheel Adaptor. For use with No. 57430 depressed center wheel. Includes: backing flange, No. 22191 clamp washer; No. 22231 spanner wrench.

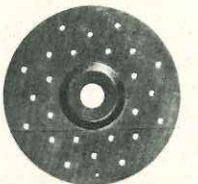


"KOOLFLEX" BACKING PADS

- Cat. No. 31000 6 3/4" "Kooflex" Backing Pad.
- Cat. No. 31001 8 7/8" "Kooflex" Backing Pad.

These light-weight plastic-bonded backing discs provide greater flexibility and very cool operation on sanding applications. Can be used with No. 33489 4 3/4" Rubber Backing Pad. For maximum flexibility use one Kooflex Pad with corresponding size Abrasive Disc (i.e.

6 3/4" Kooflex Pad with 7" Sanding Disc.) For "feathering" finish use No. 31000 6 3/4" Kooflex Pad with 9 1/2" Abrasive Disc. For more rigid backing use both sizes of Kooflex Pads with 9 1/2" Abrasive Disc.



RUBBING PAD

- Cat. No. 36501 7 3/4" Pile Fabric Rubbing Pad. For rubbing down 'orange peel' in laquer finishes, etc.



ABRASIVE DISC TRIMMER Cat. No. 21808

FOR complete use of abrasive discs, this Disc Trimmer cuts them down to smaller sizes as the outer edges are worn out. Adjustable center-hole pilot on calibrated swinging arm; cutting wheel

mounted on one-piece spindle and crank; base casting is screwed to bench. Takes discs of 9 1/2" maximum diameter and either 7/8" or 1/2" center-hole; trims down to 3" diameter.

Cat. No. 21753 Replacement Cutter.



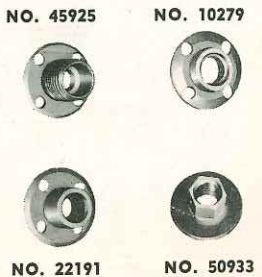
REPLACEMENT CLAMP WASHERS

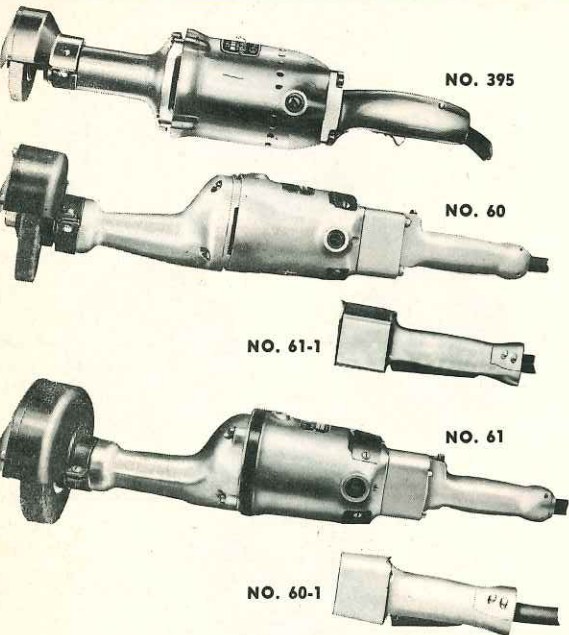
Cat. No. 45925 Repl. Clamp Washer. Outside-threaded. Screws into hub of No. 33489 5" Rubber Backing Pad, preceding page (also Nos. 33262 and 33487—no longer cataloged.)

Cat. No. 10279 Repl. Clamp Washer. Inside-threaded. Fits former type Rubber Backing Pads (Nos. 45433, 17687, 18329, 18330 and 22489—no longer cataloged) and on spindle of No. 676 B-B Sander, and No. 684 Service-master Sander.

Cat. No. 22191 Repl. Clamp Washer. Inside-threaded. Used with Depressed Center Wheels listed above.

Cat. No. 50933 Repl. Clamp Washer for Nos. 50928, 51824 and 50934 Quick-Change Pads. Inside-threaded. Fits through Backing Pads and threads on Sander spindle.





PORTABLE GRINDERS

2½" Portable Grinder is a direct drive unit, 5" and 6" Portable Grinders have splined gear mountings. Full size ball-bearings, set at extreme ends of wheel spindle, absorb all side thrust and insure long life. Armature shaft also mounted on ball-bearings. Ideal for GRINDING, BUFFING and WIRE BRUSHING for either general maintenance work or continuous production operations. Completely enclosed switch compartment protects the switch from abrasive dust. Improved ventilation with forced air flow cools motor parts and prevents accumulation of dirt and grit. Exhaust air is directed away from operator.

Shaped grips prevent tool turning in operator's hand. Adjustable wheel guards can be turned to any desired position. Wheel rotation is counter-clockwise, facing wheel end.

See Pages 45 and 46 for Grinding Wheels and Wire Wheel Brushes.

Standard Equipment: 2½" Model: No 36804 2½" grinding wheel; No. 31456 Clamp nut; adjustable steel wheel guard; two No. 20285 wrenches. 5" Model: No. 3042 5" grinding wheel; adjustable steel wheel guard. 6" Model: No. 3148 6" grinding wheel; adjustable steel wheel guard.

Portable Grinder	Wheel Size	No. load RPM	Rated at 115V	Rocker Switch	Plunger Switch	Inst. Rel. Lever Switch	Lgth. ins.	Net Wt. lbs.	Ship. Wt. lbs.
2½" Cat. No. 395	2½" x ½" x ⅝"	14,500	3 amps.	Yes	—	—	16¾	7½	8
5" H.D. Cat. No. 60	5" x ¾" x ½"	4500	6.5 amps.	—	Yes	—	22¾	12½	16
5" H.D. Cat. No. 60-1	5" x ¾" x ½"	4500	6.5 amps.	—	—	Yes	23⅙	13	16¼
6" H.D. Cat. No. 61	6" x 1" x ⅝"	3750	12 amps.	—	Yes	—	24¾	18½	21½
6" H.D. Cat. No. 61-1	6" x 1" x ⅝"	3750	12 amps.	—	—	Yes	25	19½	22

REPLACEMENT AND EXTRA EQUIPMENT FOR 2½" PORTABLE GRINDER

*Cat. No. 36804 2½" High-Speed bonded Grinding Wheel
Cat. No. 24187 ¼" S.A. Chuck with ⅝" Reducing Sleeve.
Cat. No. 21955 ⅝" Reducing Sleeve, only, for No. 24187 Chuck.

LUBRICANT

For Port. Grinders, Drills, Tappers, Screwdrivers, Sanders, Shears.
Cat. No. 23638 1 lb. Can Std. Gear Grease.
Cat. No. 32907 5 lb. Can Std. Gear Grease.

Replacement Silicon Carbide Abrasive Wheels For Tuck Pointing Kits

*Cat. No. 57490 8" x ¼" x ⅝" for No. 57488 Kit.
*Cat. No. 58274 8" x ¼" x ½" for No. 58271 Kit.

*QUANTITY DISCOUNT: 5-24 LESS 5%; 25 OR MORE LESS 10%.

DIE GRINDERS

Die Grinders offer many important advantages for high-speed, accurate, portable grinding. Among these are (1) Small powerful motors provide for easy handling and very light weight, (2) Modern improved chucks to carry

mounted points and stones, (3) Extended spindle housings to permit gripping the tool close to the stones for careful, accurate grinding. Ideal for die shops, stamping plants, tool rooms.

Standard Equipment: No. 8 Model: ¼" chuck; 2 double-end wrenches; toggle switch. No. 12 Model: ¼" chuck; two double-end wrenches. No. 20 Model: No. 24187 ¼" chuck with No. 21955 reducing sleeve; two No. 29285 wrenches.

Standard Voltages (universal motor): 115v or 220v AC/DC (others p. 1). Specify voltage.

Specifications	No. 12 Model			
	No. 8 Model Cat. No. 577	Cat. No. 291 Bonnet Cap Switch-in Cap	Cat. No. 290 Extended Switch Handle	No. 20 Model Cat. No. 499
Maximum Wheel Diam.*	⅞"	2"	2"	2"
No-load Speed	30,000 R.P.M.	17,500 R.P.M.	17,500 R.P.M.	14,500 R.P.M.
Rated at 115v	1.5 amps.	1.5 amps.	1.5 amps.	3 amps.
Net Wt.	2½ lbs.	4 lbs.	4¼ lbs.	7 lbs.
Ship. Wt.	3¾ lbs.	5 lbs.	5 lbs.	10 lbs.
Length	11½"	11⅝"	15⅜"	17¾"

REPLACEMENT AND EXTRA EQUIPMENT

For No. 8 and No. 12 Models:—
Cat. No. 21955 Split Sleeve for reducing Collet opening to ⅛".

For No. 20 Model:—
Cat. No. 24187 ¼" S.A. Chuck with ⅝" Reducing Sleeve.
Cat. No. 21955 ⅝" Reducing Sleeve, only, for No. 24187 Chuck.

*Wheels are not supplied with Die Grinders. Caution: Use only with high-speed bonded wheels. Ask your B&D Distributor about wheels and burrs for use with these units.

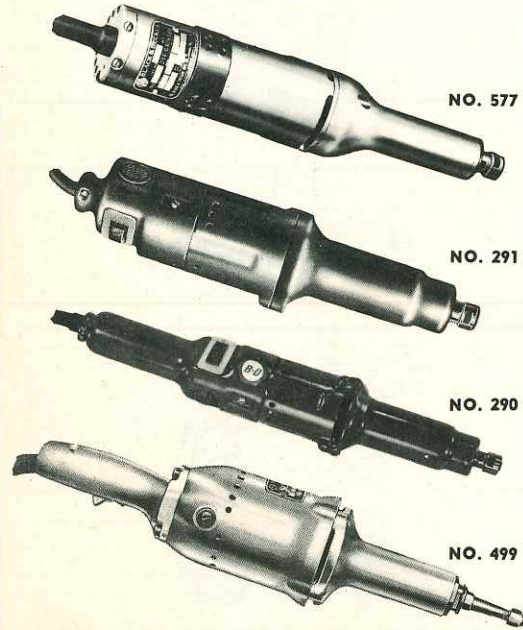
TUCK POINTING KITS

Wheel is enclosed for safety and hinged for convenient wheel changes. Silicon Carbide Wheel efficiently removes old mortar. Leaves a clean joint for easy pointing.

Cat. No. 57488 Tuck Pointing Kit attaches to B&D 6" Portable Grinders Nos. 61 and 61-1 or any other make with a ⅝" arbor and a 2¼" dia. gear case housing.

Cat. No. 58271 Tuck Pointing Kit attaches to B&D 5" Portable Grinder No. 60 or any other make with a ½" arbor and a 2⅝" dia. gear case housing.

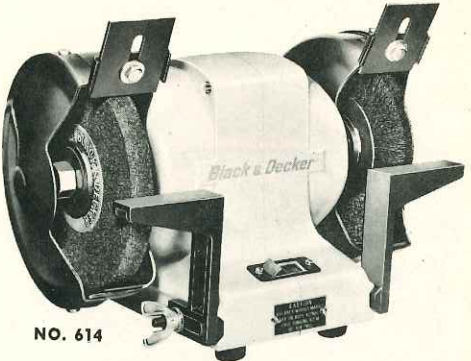
Standard Equipment: steel wheel guard; spacer; (for No. 57488) No. 57490 8" x ¼" x ⅝" silicon carbide abrasive wheel; (for No. 58271) No. 58274 8" x ¼" x ½" silicon carbide abrasive wheel.



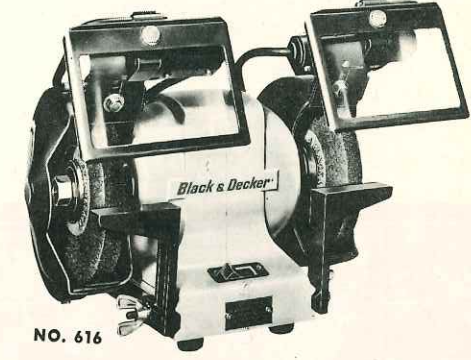
6" HEAVY-DUTY BENCH GRINDER Cat. No. 614

6" H.D. DELUXE ILLUMINATED BENCH GRINDER Cat. No. 616

- Particularly low priced for full ⅓ H.P. Bench Grinder.
- Greater wheel clearance (⅞") permits longer use of grinding wheel.
- Grinders meet Underwriters Laboratories and ASA safety requirements. Wheels enclosed with steel guards for safety. Removable wheel guard covers.
- Long life, constant speed B&D induction motor completely enclosed to keep out abrasive dust.
- Tool rests and spark shields adjustable for wheel wear.
- 4 rubber feet permit use on bench. Also fits Bench Grinder Pedestal on next page.
- Uses 1 or 2 sectioned Wire Wheel Brush.
- Use for tool sharpening, wire brushing, buffing, grinding. Perfect for tool rooms, wood working shops, farms, etc.
- Switch: rocker type. Actuates relay which gives years of trouble-free starting.
- Bearings: heavy-duty ball-bearings on spindle give true-running wheels for accurate work.



NO. 614



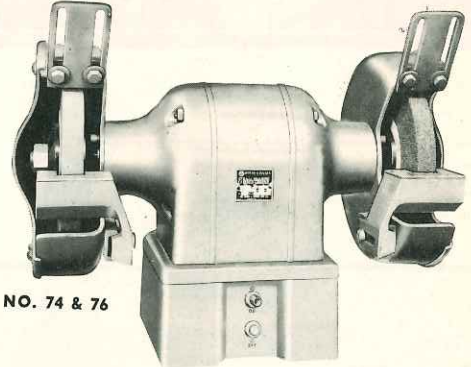
NO. 616

8" HEAVY-DUTY BALL-BEARING BENCH GRINDER

Cat. No. 74 (1 phase)

Cat. No. 76 (3 phase)

- Has the extra power needed to do tougher type of jobs.
- Ball-bearings have been placed where it counts to assure long, trouble-free dependable service.
- Motor is completely enclosed to keep out abrasive dust.
- Enclosed steel wheel guards meet all safety requirements.
- U-shaped tool rests give full support, are adjustable for wheel wear and are perforated to prevent accumulation of dust and metal.
- Wheel guards are equipped with adjustable spark shields and will take standard 3-section wire wheel brush without changing guard.
- Switch: 2-pole push-button switch, recessed for protection but easily accessible.
- Bearings: ball-bearing equipped throughout.



NO. 74 & 76

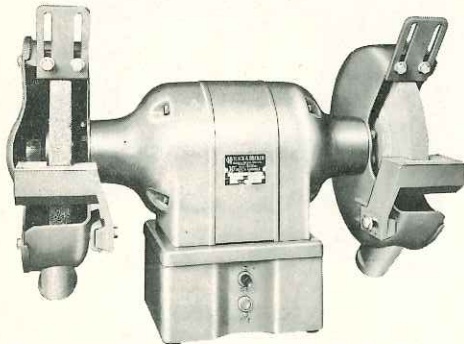
COMPARATIVE SPECIFICATIONS

Motor: (for Nos. 614, 616 and 74) single phase induction motor; (for No. 76) 3 phase induction motor. Please give current characteristics, voltage, phase and cycle when ordering.

Standard Equipment (Cat. No. 614): 6" grinding wheel; 6" wire brush; 2 steel wheel guards with covers; 2 adjustable tool rests; 2 adjustable spark shields; 4 rubber feet; 2 bolts for bench mounting; rocker switch in base. (Cat. No. 616): No. 15314 fine grit grinding wheel; No. 15315 coarse grinding wheel; 2 steel wheel guards with covers; 2 adjustable tool rests; 2 adjustable spark shields; 2 15-watt illuminated eye shields; 4 rubber feet; 2 bolts for bench mounting; rocker switch in base. (Cat. Nos. 74 and 76): No. 18061 medium 8" grinding wheel; No. 18062 fine 8" grinding wheel; two enclosed wheel guards with tool rests and spark shields; pushbutton switch in base; lead wires for permanent connection; 4 rubber feet.

Cat. No.	Phase	Motor Rating H.P.	Spindle Length	Height to C/L of Spindle	Wheel Size	Amps. Rated at 115V		No-load RPM		Rated-load RPM		Voltages	Net wt. lbs.	Ship. wt. lbs.
						60 cycles	50 cycles	60 cycles	50 cycles	60 cycles	50 cycles			
614	1	⅓	11⅝"	4⅜"	6" dia., ⅝" face, ½" hole	4.4	5.0	3600	3000	3450	2890	*115V 50/60 cycles	23	28
616	1	⅓	11⅝"	4⅜"	6" dia., ¾" face, ½" hole	4.4	5.0	3600	3000	3450	2890	115V 50/60 cycles	25	30
74	1	¾	18¼"	8⅜"	8" dia., ⅞" face, ⅝" hole	9.75	10.0	3600	3000	3460	2870	115V or 220V. Specify which one. Not reconnectable.	65	72
76	3	¾	18¼"	8⅜"	8" dia., ⅞" face, ⅝" hole	2.3	2.4	3600	3000	3490	2900	220V or 440V. Reconnectable for either voltage.	65	72

*125V, 220V and 240V available on special order.



NO. 83 & 85

10" HEAVY-DUTY BALL-BEARING BENCH GRINDER

Cat. No. 83 (1 phase)
Cat. No. 85 (3 phase)

- Powered by a full 1 H.P. B&D constant-speed motor.
- Designed for the finest tool dressing, grinding, wire brushing, burnishing and buffing.
- Motor is completely enclosed to keep out abrasive dust.
- Ball-bearing equipped for smooth power flow and long life.
- Strong steel enclosed wheel guards, with removable end plates, meet all safety requirements.
- Guards are wide enough to take a 4-section wire wheel without changing guard.
- Spark shields are adjustable for wheel wear.
- U-shaped tool rests, adjustable for wheel wear and perforated to prevent piling up of dust.
- Guards are equipped with exhaust outlets for connection to exhaust ducts or dust-collecting system.
- Switch: 2-pole push button protected switch, recessed for safety and easy use.
- Bearings: ball-bearing equipped throughout.

Standard Equipment: No. 10274 coarse grinding wheel; No. 10275 medium grinding wheel; 2 wheel guards; push-button switch in base; lead wires for permanent connection.

Motor: (for No. 83) single phase induction motor; (for No. 85) 3 phase induction motor. Please give current characteristics, voltage phase and cycle when ordering.
Rated Load RPM: (No. 83) 1750 60 cycles, 1450 50 cycles; (No. 85) 1720 60 cycles, 1420 50 cycles.

Cat. No.	Phase	Motor Rating H.P.	Spindle Length	Height to C/L of Spindle	Wheel size	Amps. rated at 115V		Amps. rated at 220V		No-load RPM		Voltages	Net wt. lbs.	Ship. wt. lbs.	Available on Special Order
						60 cycles	50 cycles	60 cycles	50 cycles	60 cycles	50 cycles				
83	1	1	22 3/4"	9 3/4"	10" dia., 1" face, 3/4" hole	13	14.6	—	—	1800	1500	115V or 220V. Specify which one. Not reconnectable.	105	116	115V or 240V. Specify which one. Not reconnectable.
85	3	1	22 3/4"	9 3/4"	10" dia., 1" face, 3/4" hole	—	—	3.2	3.2	1800	1500	220V or 240V. Reconnectable for either voltage.	105	116	550V Reconnectable for either voltage.



BENCH GRINDER PEDESTAL Cat. No. 53536

Convenient height. Detachable water pot. Use with all B&D Bench Grinders. Height: 31 1/2"; Base 16" sq.; Ship. wt. 53 lbs.

ILLUMINATED EYE SHIELDS

For 8" H.D., 10" H.D., and former Nos. 587 and 74 Bench Grinders.

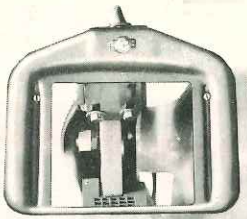
Cat. No. 30050 Illuminated Eye Shields: pair; connects to and is operated by the 115 volt bench grinder switch.

Cat. No. 30142 Illuminated Eye Shields: pair; 115 volts; with cord, plug and switch; operated independently of bench grinder switch.

Cat. No. 30144 Illuminated Eye Shield: single; 115 volts; with cord, plug and switch; operated independently of bench grinder switch.

Cat. No. 23641 5" x 6" Replacement Shatter-proof Glass.

Furnished with adjustable brackets and bolts for attachment to wheel guards. Glass is shatter-proof. Work is illuminated from both sides of eye shield. For grinders other than 115 volts, shields may be purchased with individual cords, plugs and switches for use in separate 115 volt receptacles.



SHATTER-PROOF EYE-SHIELDS (not illuminated)

Cat. No. 34575 One 3 1/4" x 5 1/4" Eye-Shield. Includes glass, brackets, bolts.

Cat. No. 34576 One 3 1/4" x 5 1/4" Replacement Shatter-proof glass.

For 6", 8" and 10" Bench Grinders. Shields are bolted to Wheel guards through holes already positioned on bench grinders. Brackets are quickly adjustable to suit operator.



ADJUSTABLE LAMP

Cat. No. 22173 "Goose-Neck" Lamp with Socket, Switch, etc. may be screwed or bolted at back of Bench Grinder.



GRINDING WHEELS

Unit	Cat. No.	Description				Style Type
		Diam.	Face	Hole	Specifications	
6" Utility, 6" Junior, 6" Std. Bench Grinders, No. 614 6" H.D. Bench Grinder.	39022 39023	6"	5/8"	1/2"	A60 R V A46 R V	1 1
6" H.D. Bench Grinder (H, K, L, and M), No. 616 6" H.D. Deluxe Bench Grinder	15314 15315	6"	3/4"	1/2"	A60 R V A46 R V	1 1
8" Bench Grinder (F and G)	18061 18062	8"	7/8"	5/8"	A36 N6V A60 L6V	1 1
10" Bench Grinder (B, C, and D)	10274 10275	10"	1"	3/4"	A24 Q6V A46 N6V	1 1
Portable Grinder and Die Grinders	20329	2 1/2"	1 1/2"	1/2"	A30 S B	1
	20330	2"	1 1/2"	1/2"	A36 S B	1
	24317	3"	1 1/2"	3/8"	A36 S B	1
	36804	2 1/2"	1 1/2"	3/8"	A36 S B	1
4" Portable Grinder	6772	4"	3/4"	1/2"	A46 R V	1
5" Portable Grinder	3042	5"	3/4"	1/2"	A46 R V	1
6" Portable Grinder	3148	6"	1"	5/8"	A46 R V	1
7" Special Sander	10663	4"	3/4"	1/2"	A46 Q V	6
7" H.D. Sander	24050	4"	1"	5/8"-11 Thd.	A16 R B	11
7" H.D. Sander	23444	5"	1 1/4"	5/8"-11 Thd.	A16 R B	11
9" H.D. Sander	18039	6"	1 1/4"	5/8"-11 Thd.	A16 R B	11
7" H.D. Sander	37219	5"	1 1/4"	5/8"-11 Thd.	C16 PB (for concrete)	11
9" H.D. Sander	37220	6"	1 1/4"	5/8"-11 Thd.	C16 PB (for concrete)	11
1/4" Drill	39024	3"	1/2"	1/2"	A60 M V	1



GRINDING WHEELS

QUANTITY DISCOUNT: 5-24 LESS 5%;
25 OR MORE LESS 10%.

GRINDING WHEEL DRESSERS

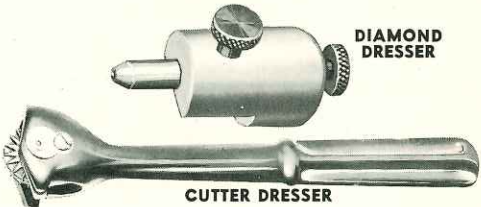
TWO TYPES of Wheel Dressers are available for trueing and cleaning Bench Grinder Wheels. The cutter type dresses the wheel quickly for fast grinding; the diamond type produces a very accurate, smooth face for finish-grinding.

Catalog Number 19115 Cutter-type Dresser (with spare cutter set).

Catalog Number 19983 Replacement Cutter set for above.

Catalog Number 21961 Diamond Wheel Dresser, complete with diamond.

Catalog Number 5574 Diamond and Nib for No. 21961 Dresser.



DIAMOND DRESSER

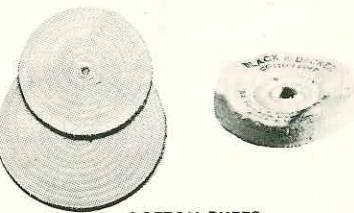
CUTTER DRESSER

COTTON BUFFS

USED ON Portable or Bench Grinders directly on wheel spindle. 3" Dia. Buff is used with 1/4" and 1/2" Drills. 3/8" Spiral coloring, cutting and finishing. Mounted Stitched, Pieced-type.

Cat. No.	Buff Dia.	Width	Hole Dia.	Cat. No.	Buff Dia.	Width	Hole Dia.
39015*	3"	3/8"	1/2"	26873	10"	5/8"	3/4"
26870	4"	3/8"	1/2"	26874	6"	1/4"	1/2"
39016	6"	3/8"	1/2"	26875	8"	1/4"	5/8"
26872	8"	5/8"	5/8"	26876	10"	1/4"	3/4"

*Use with 1/4" to 1/2" Drills and Wheel Arbors below.



COTTON BUFFS

WHEEL ARBORS

Fit 1/4" to 1/2" Drills. Carry grinding wheels, wire wheel brushes and cotton buffs.

Cat. No. 39026 1/4" Drill Arbor (1/2" Diam., 1/4" Shank).

Cat. No. 8449 1/2" Drill Arbor (1/2" Diam., 1/2" Shank).

Cat. No. 23041 Sanding Pad Arbor (5/8"-11 thread, 1/4" Shank) holds No. 33489 Rubber Pad.

Cat. No. 33489 5" Rubber Pad with Clamp Washer for use with No. 23041 Arbor listed above.



WHEEL ARBOR



WIRE BRUSHES

Top Quality—MADE BY US on our own special machines so that you can be assured of Black & Decker's traditionally high standards of quality and performance.

Versatile Performers—There are brushes for practically all types of grinding, buffing or cleaning machines. They can be used for removing rust and scale from all metal surfaces, for cleaning tanks and boat hulls, for removing old paint and for cleaning castings and structural metal.

Long Life—High quality, tough crimped

steel wire, precisely locked in place, gives you a brush that has longer wearing qualities even on high-speed operations.

Well Balanced—Each brush is beautifully balanced and will run true and even because of the care with which the brushing wires are distributed in the body when manufactured.

Continuous-Strand Construction—Each wire tuft is locked independently, hence a more dense and even brushing surface is attained and there is **less danger of loose wire.**

QUANTITY DISCOUNT:
10-49 LESS 5%;
50 OR MORE LESS 10%.

WIRE CUP BRUSHES

- A. Fit all sanders with 5/8"-11 thread spindle. 6000 R.P.M. maximum safe speed.
- Cat. No. 18056 4" Wire Cup Brush (.020" crimped)
 - Cat. No. 24353 5" Wire Cup Brush (.020" crimped)
 - Cat. No. 12398 6" Wire Cup Brush (.020" crimped)
- B. Fits into chuck of any 1/4" Drill. Has straight chuck shank. 2000 R.P.M. maximum safe speed.
- Cat. No. 39014 3" Wire Cup Brush.

CARBON REMOVING BRUSHES

Made of tempered steel wire; used with 1/4" Drills to remove rust and scale from metals. Leaves a burnished surface.

- Cat. No. 21416 Heavy-duty solid wire-filled brush (A).
- Cat. No. 21417 Side-flare brush for close corner work (B).
- Cat. No. 21418 Small cleaning brush.
- Cat. No. 21419 Hollow core, flare-bottom brush (C).

ARBOR HOLE ADAPTERS

WhirlWind® Brushes are equipped with washer-type adapters. Each Brush includes two adapters of size shown in table at left. Other sizes shown in tables below may be substituted if specified on order. Extra adapters may also be ordered, in desired sizes.

FOR 6" BRUSHES: Built-in arbor hole plates have 1" hole. Extra adapters available in sizes below. Same adapters fit 1, 2 or 3 section Brushes.

Cat. No.	Hole Size	Cat. No.	Hole Size
14080	1/2"	14082	3/4"
14081	5/8"	14771	7/8"

FOR 7", 8", 10" and 12" BRUSHES: Built-in arbor hole plates have 2" hole. Extra adapters available in sizes shown below. Same adapters fit 1, 2, 3 or 4 section Brushes.

Cat. No.	Hole Size	Cat. No.	Hole Size
14069	5/8"	14073	1 1/8"
14070	3/4"	14074	1 1/4"
14071	7/8"	14077	1 3/4"
14072	1"		

WHIRLWIND® WIRE WHEEL BRUSHES



.014" WIRE DIAM. (30 GAGE) (for rough general purpose cleaning)						.0118" WIRE DIAM. (33 GAGE) (for high-speed buffing operations)						.005" WIRE DIAM. (47 GAGE) (for fine finishing and burnishing)					
Cat. No.	Brush Dia.	Max. Safe Speed RPM	No. of Sections	Brush Width	Size Arbor Hole Adapter	Cat. No.	Brush Dia.	Max. Safe Speed RPM	No. of Sections	Brush Width	Size Arbor Hole Adapter	Cat. No.	Brush Dia.	Max. Safe Speed RPM	No. of Sections	Brush Width	Size Arbor Hole Adapter
39009	4"	4500	1	7/16"	5/8"	27000	4"	4500	1	7/16"	5/8"	39008	4"	4500	1	7/16"	5/8"
23201			2	11/16"	7/8"	27001			2	11/16"	7/8"	23209			2	11/16"	7/8"
21397			3	1"	1"	27002			3	1"	1"	23210			3	1"	1"
39011	6"	3750	1	7/16"	3/4"	27003	6"	3750	1	7/16"	3/4"	39010	6"	3750	1	7/16"	3/4"
39012			2	11/16"	1"	27004			2	11/16"	1"	23212			2	11/16"	1"
21401			3	1"	1 1/8"	27005			3	1"	1 1/8"	23213			3	1"	1 1/8"
23204	7"	3600	1	7/16"	3/4"	27009	8"	3600	1	7/16"	7/8"	23217	8"	3600	1	7/16"	7/8"
23205			2	11/16"	1"	27010			2	11/16"	1"	23218			2	11/16"	1"
21411			3	1"	1 3/8"	27011			3	1"	1 1/2"	23219			3	1"	1 1/2"
23206	8"	3600	1	7/16"	7/8"	27012	10"	1800	4	1 5/16"	1 7/8"						
23207			2	11/16"	1 1/8"	27013			4	1 3/8"	2 3/4"						
21405			3	1"	1 1/2"												
21407	10"	1800	4	1 5/16"	1 7/8"												
21409	12"	1800	4	1 3/8"	2 3/4"												

Use Cat. Nos. 39008 and 39009 4" Wire Wheel Brushes above with 1/4" Drills and Wheel Arbors on preceding page.

Black & Decker® SCREWDRIVERS

SAVE YOU TIME AND MONEY

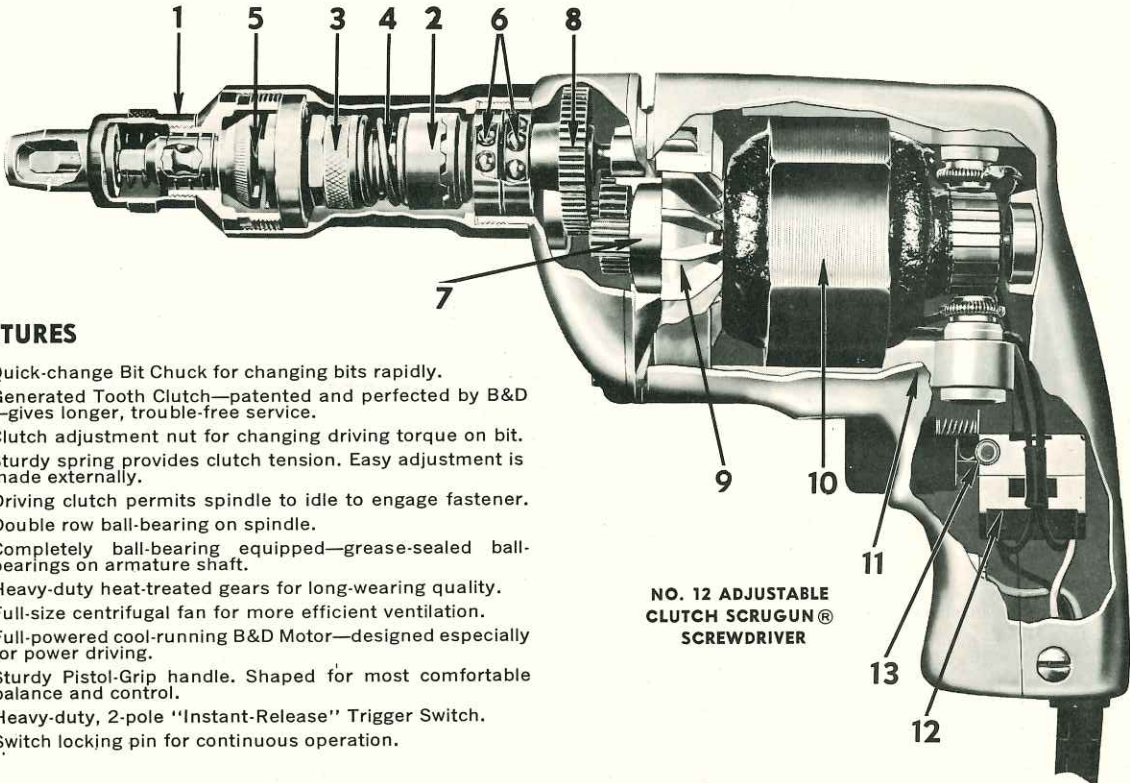
Give **uniform tightness** on all fastening operations. Check the following points that make it smart for you to own a B&D Screwdriver.

SPEED—Time means money in assembly work, repair, installation and 'knock-down' operations. B&D Screwdrivers accomplish these **faster**—enabling operator to turn out more actual work per hour.

LESS FATIGUE—With comfortable balanced control, light weight, and greater ease of operation, B&D Screwdrivers make work easier on the operator—take the hard work out of screwdriving.

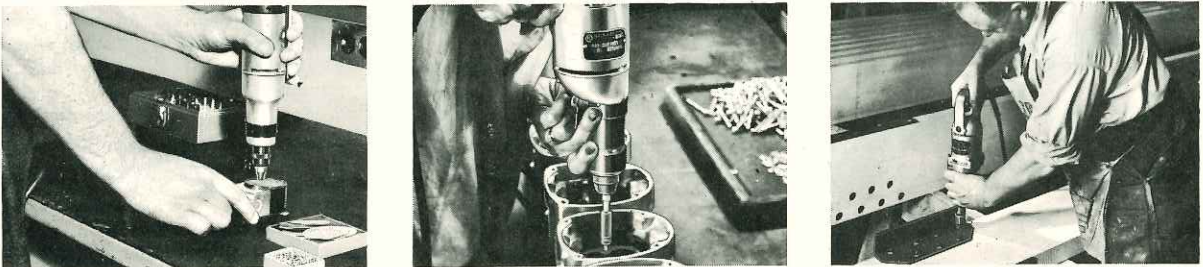
UNIFORMITY—Modern assembly methods demand uniformity of product in strength and tightness as well as design. B&D Screwdrivers provide this strong, uniform tightness for all types of screws.

LESS 'DOWN TIME'—In addition to regular continuous-production work, B&D Screwdrivers facilitate repair and installation work on all types of assembly line machinery.



FEATURES

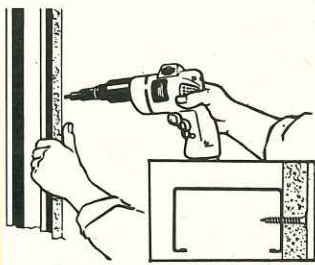
1. Quick-change Bit Chuck for changing bits rapidly.
2. Generated Tooth Clutch—patented and perfected by B&D—gives longer, trouble-free service.
3. Clutch adjustment nut for changing driving torque on bit.
4. Sturdy spring provides clutch tension. Easy adjustment is made externally.
5. Driving clutch permits spindle to idle to engage fastener.
6. Double row ball-bearing on spindle.
7. Completely ball-bearing equipped—grease-sealed ball-bearings on armature shaft.
8. Heavy-duty heat-treated gears for long-wearing quality.
9. Full-size centrifugal fan for more efficient ventilation.
10. Full-powered cool-running B&D Motor—designed especially for power driving.
11. Sturdy Pistol-Grip handle. Shaped for most comfortable balance and control.
12. Heavy-duty, 2-pole "Instant-Release" Trigger Switch.
13. Switch locking pin for continuous operation.



THERE'S A B&D SCREWDRIVER CLUTCH TO MEET EVERY SCREWDRIVING REQUIREMENT—

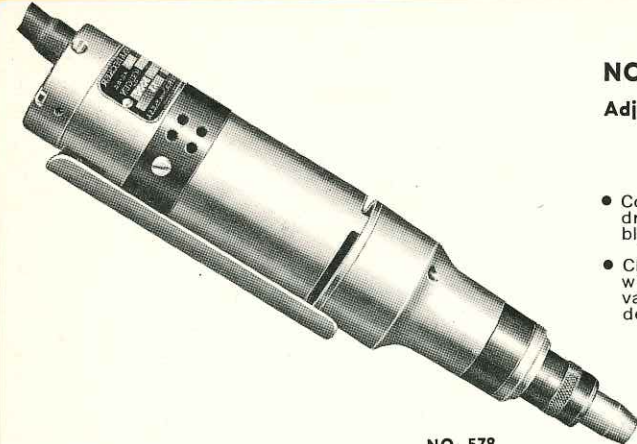
1. **Positive clutch** is used where its desired that the operator control the torque of the screwdriver—the screwdriver will continue to drive as long as he pushes against the screw's head.
2. **Adjustable clutch** is used where its desired that the torque or driving power of the screwdriver be controlled by a mechanical adjustment. Screwdriver will cease driving as soon as a **pre-set tightness** has been reached—regardless of operator's bearing against screw head with the screwdriver.
3. **Drywall Screwdrivers** are used where **depth control** of the screw is desired so that material surfaces will not be marred or, as in the case with the installation dry-wall board, screws can be driven to an exact pre-set depth below the surface of the drywall.

DRYWALL AND LATHING SCREWDRIVERS

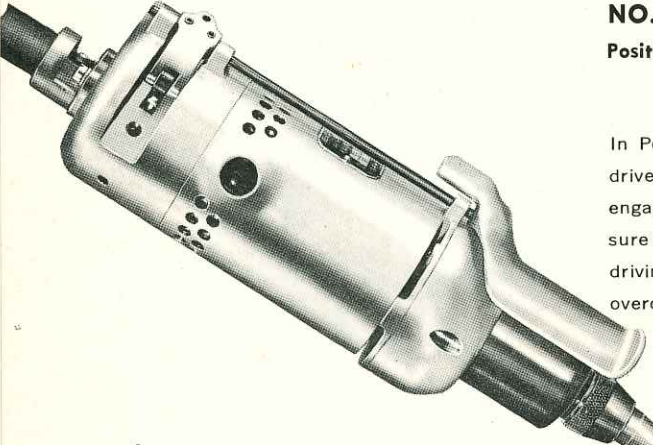


The Drywall and Lathing Screwdrivers, p. 50, quickly and firmly attach wallboard and lathing to metal or wood studs by using self-drillingscrews. Each screw can be driven to an exact pre-set depth. Damaged surfaces, marred screw heads, broken bits and stripped threads are eliminated.

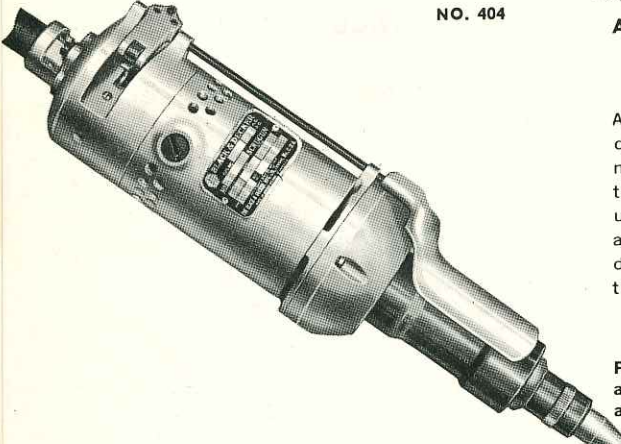
SEE PAGES 48-52 FOR SCREWDRIVERS AND ACCESSORIES



NO. 578



NO. 404



NO. 381

NO. 8 CENTER-DRIVE SCRUGUN® SCREWDRIVERS

Adjustable Clutch Models

- Cat. No. 578 (paddle switch)
- Cat. No. 580 (paddle switch and reversing switch)

- Compact, lightweight. Perfect for driving up to No. 8 screws on assembly-line work.
- Clutch is controlled by two springs which permit automatically driving varying sized screws to a uniform degree of tightness.
- **Switches:** Paddle switch is best suited to operations where tool is frequently turned 'ON' and 'OFF' for short intervals of time. Toggle switch is convenient for continuous operations.
- **Duty Rating:** continuous heavy-duty.
- **Bearings:** 4 ball, 1 ball thrust.

NO. 10 CENTER-DRIVE SCRUGUN® SCREWDRIVERS

Positive Clutch Models

- Cat. No. 404 (paddle switch)
- Cat. No. 607 (paddle switch and reversing switch)

In Positive Clutch SCRUGUN® Screwdrivers, the spindle idles to permit engaging the fastener. Operating pressure closes the clutch and the tool keeps driving until the resistance of the fastener overcomes hand pressure—operator controls tightness by amount of pressure applied. This arrangement is ideal for portable 'free-hand' driving. **Switches:** same as No. 8 above. **Duty Rating:** continuous heavy-duty. **Bearings:** 9 ball, 1 ball-thrust.

Adjustable Clutch Models

- Cat. No. 381 (paddle switch)
- Cat. No. 609 (paddle switch and reversing switch)

Adjustable Clutch SCRUGUN® Screwdrivers are the same as Positive Clutch models listed above except for the addition of a secondary clutch. On jobs where uniform tightness of fasteners is desirable (to meet specifications or prevent damage by driving fasteners too tight), the secondary clutch will disengage when the resistance of the fastener overcomes its pre-set spring load. Thus, automatically, each fastener is driven to a pre-determined, uniform tightness regardless of pressure applied. **Switches:** same as No. 8 above. **Duty Rating:** continuous heavy-duty. **Bearings:** 9 ball, 1 ball-thrust.

Positive Clutch models of No. 10 Center-Drive SCRUGUN® Screwdrivers can be adapted to the B&D Micro-Clutch Attachment which permits driving screws to an accurate, pre-determined depth. See page 49.

For conversion of any of the models above to a Bonnet Grip Model or to convert a No. 10 Center-Drive SCRUGUN® Screwdriver to a Right Angle Head model, please see your local B&D Factory Service Branch.

COMPARATIVE SPECIFICATIONS

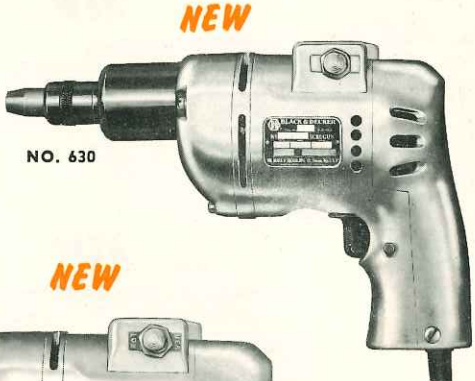
Standard Equipment: No. 13207 Bit with protector, centering and spring sleeves; suspension bail (with No. 8 Screwdrivers).
Standard Voltages ('universal' motor): 115V AC/DC (220V, 125V and 240V on Special Order. Please write for delivery information). Specify voltage.

No. 8 Center-Drive SCRUGUN® Screwdrivers											
Clutch	Cat. No.	Rev. Sw.	Paddle Switch	Capacity			No-load RPM	Amp. Rating at 115V	Length (incl. bit)	Net wt. lbs.	Ship. wt. lbs.
				Wood Screws	Self-tapping Screws	Machine Screws & Nuts					
Adjustable	578	—	Yes	#8 x 1/4"	No. 8	No. 8	3000	1.5	11 3/8"	2 3/4	5
Adjustable	580	Yes	Yes	#8 x 1/4"	No. 8	No. 8	3000	1.5	11 3/8"	2 3/4	5
No. 10 Center-Drive SCRUGUN® Screwdrivers											
Positive	404	—	Yes	#10 x 2"	No. 12	No. 12	750	1.8	12"	4 3/4	7
Positive	607	Yes	Yes	#10 x 2"	No. 12	No. 12	750	1.8	12"	4 3/4	7
Adjustable	381	—	Yes	#10 x 2"	No. 12	No. 12	750	1.8	13 1/2"	5	7
Adjustable	609	Yes	Yes	#10 x 2"	No. 12	No. 12	750	1.8	13 1/2"	5	7



NO. 10 PISTOL GRIP SCRUGUN® SCREWDRIVERS

- Offered in Positive Clutch models for jobs where operator controls fastener tightness by amount of pressure applied and in Adjustable Clutch models for driving fasteners to a pre-determined tightness.
- Nos. 630 and 631 equipped with a reversing switch, conveniently located on the top, for fast disassembly work.
- Quick-change Bit Chuck permits rapid bit changes.
- Heavy-Duty generated tooth clutch gives longer, trouble-free service.
- Clutch adjustment nut for easy changing of driving torque on bit.
- Positive driving clutch permits spindle to idle—to engage faster.
- **Duty Rating:** continuous heavy-duty.
- **Bearings:** 1 ball, 2 caged roller, 3 needle.
- **Switches:** single pole trigger; reversing switch on Nos. 630 and 631.



NO. 630



NO. 631

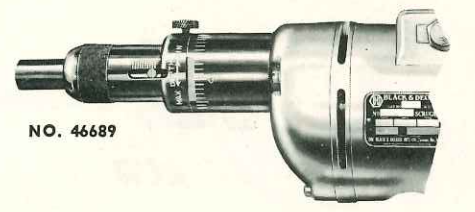
COMPARATIVE SPECIFICATIONS

Standard Equipment: No. 13207 Bit with protector; centering and spring sleeves.
Standard Voltages (universal motor): 115V or 220V AC/DC (others p. 1). Specify voltage.

Clutch	Cat. No.	Rev. Sw.	Capacity			No-load RPM	Amp. Rating at 115V	Length (incl. bit)	Net wt. lbs.	Ship. wt. lbs.
			Wood Screws	Self-tapping Screws	Machine Screws & Nuts					
Positive	627	—	#10 2"	No. 12	No. 12	800	2.5	9 1/8"	3 3/4	5
Positive	627-13	—	#10 x 2"	No. 12	No. 12	1300	2.5	9 1/8"	3 3/4	5
Positive	630	Yes	#10 x 2"	No. 12	No. 12	800	2.5	9 1/8"	3 3/4	5
Positive	630-13	Yes	#10 x 2"	No. 12	No. 12	1300	2.5	9 1/8"	3 3/4	5
Adjustable	628	—	#10 x 2"	No. 12	No. 12	800	2.5	10 3/8"	4	5
Adjustable	628-13	—	#10 x 2"	No. 12	No. 12	1300	2.5	10 3/8"	4	5
Adjustable	631	Yes	#10 x 2"	No. 12	No. 12	800	2.5	10 3/8"	4	5
Adjustable	631-13	Yes	#10 x 2"	No. 12	No. 12	1300	2.5	10 3/8"	4	5

MICRO CLUTCH ASSEMBLY Cat. No. 46689

Micro Clutch Assembly fits Positive Clutch Models of No. 10 Pistol Grip Scrugun (above), No. 12 Pistol Grip Scrugun (p. 50) and on No. 10 Center-Drive Scrugun (p. 48). Also can be adapted to No. 12 Adjustable and No. 10 Center-Drive Adjustable Clutch Scrugun by any B&D Service Branch. Permits driving any size screw, from the smallest to maximum capacity of Scrugun and to an exact pre-determined depth. Adjustments to .001" can be made with built-in micrometer. Eliminates marred screw heads, stripped threads and marred surfaces when properly adjusted. Saves on operator time and effort.



NO. 46689

1/4" TAPGUN® TAPPERS

Cat. No. 586-1 (3-Jawed Chuck)

- 3-Jawed Chuck on No. 586-1 Tapper permits the most rapid insertion and removal of Tapping Bit. Chuck jaws are tightened by turning key in all 3 holes in chuck body.
- Lightweight, easy to handle.

Cat. No. 586 (Tap Chuck)

- Improved motor over-load capacity.
- Automatic reversing mechanism backs tap out of threaded hole at high speed when operator pulls backward—no reversing switch needed.

Standard Equipment: (Cat. No. 586) Jacobs Tap Chuck with two collets (0" to 1/4" and 1/4" to .381"), (Cat. No. 586-1) No. 23519 3/16" Tapered Chuck and Key; detachable side handle.

Standard Voltages (universal motor): 115v or 220v AC/DC (others p. 1). Specify voltage. Note: 1/4" Tapgun® Tapper fits No. 22148 Bench Stand (p. 15).

Tapping Capacity			No-load Speed		Rated at 115v	Net Wt. lbs.	Ship. Wt. lbs.	Lgth.
Mild Steel	Cast Iron	Brass or Aluminum	Tapping (R.P.M.)	Reversing (R.P.M.)				
1/4"	5/16"	1/2"	400	525	3.0 amps.	4 1/4	6	10 1/2"



NO. 586-1



NO. 586



NEW

NEW

NO. 12 PISTOL GRIP SCRUGUN® SCREWDRIVERS

- Constructed for longer life, heavier duty use than the No. 10 but has all of the features listed for the No. 10 on preceding page.
- Offered in **Positive Clutch** models for jobs where operator controls fastener tightness by amount of pressure applied, in **Adjustable Clutch** models for driving fasteners to a pre-determined tightness and in **3-Jaw 25°** clutch model especially designed for heavy-duty driving of wood screws.
- **Duty Rating:** continuous heavy-duty.
- **Bearings:** (Nos. 402 and 572) 8 ball, 2 needle; (Nos. 350 and 573) 9 ball, 1 needle.
- **Switches:** single pole trigger; reversing switch on Nos. 572, 572-25 and 573.

COMPARATIVE SPECIFICATIONS

Standard Equipment: No. 15475 Bit with protector; centering and spring sleeves.
Standard Voltages (universal motor): 115V or 220V AC/DC (others p. 1) Specify voltage.

Clutch	Cat. No.	Rev. Sw.	Capacity			No-load RPM	115V Rating Amp.	Lgth. (incl. bit)	Net wt. lbs.	Ship. wt. lbs.
			Wood Screws	Self-tapping Screws	Machine Screws & Nuts					
Positive	402	—	#12 x 2" 1/4" dia.	1/4" dia.	1/4" dia.	600	3.0	9"	3 3/4	5
Positive	402-10	—	#12 x 2" 1/4" dia.	1/4" dia.	1/4" dia.	1000	3.0	9"	3 3/4	5
Positive	402-17	—	#12 x 2" 1/4" dia.	1/4" dia.	1/4" dia.	1700	3.0	9"	3 3/4	5
Positive	402-25	—	#12 x 2" 1/4" dia.	1/4" dia.	1/4" dia.	600	3.0	9"	3 3/4	5
Positive	572	Yes	#12 x 2" 1/4" dia.	1/4" dia.	1/4" dia.	600	3.0	9"	3 3/4	5
Positive	572-10	Yes	#12 x 2" 1/4" dia.	1/4" dia.	1/4" dia.	1000	3.0	9"	3 3/4	5
Positive	572-17	Yes	#12 x 2" 1/4" dia.	1/4" dia.	1/4" dia.	1700	3.0	9"	3 3/4	5
Positive	572-25	Yes	#12 x 2" 1/4" dia.	1/4" dia.	1/4" dia.	600	3.0	9"	3 3/4	5
Adjust.	350	—	#12 x 2" 1/4" dia.	1/4" dia.	1/4" dia.	600	3.0	10 3/4"	4	5 3/4
Adjust.	350-10	—	#12 x 2" 1/4" dia.	1/4" dia.	1/4" dia.	1000	3.0	10 3/4"	4	5 3/4
Adjust.	350-17	—	#12 x 2" 1/4" dia.	1/4" dia.	1/4" dia.	1700	3.0	10 3/4"	4	5 3/4
Adjust.	573	Yes	#12 x 2" 1/4" dia.	1/4" dia.	1/4" dia.	600	3.0	10 3/4"	4	5 3/4
Adjust.	573-10	Yes	#12 x 2" 1/4" dia.	1/4" dia.	1/4" dia.	1000	3.0	10 3/4"	4	5 3/4
Adjust.	573-17	Yes	#12 x 2" 1/4" dia.	1/4" dia.	1/4" dia.	1700	3.0	10 3/4"	4	5 3/4

13-Jaw 25° Clutch model is especially designed for heavy-duty, non-ratcheting driving of wood screws.

SEE MICRO-CLUTCH ASSEMBLY LISTED ON PAGE 49

Drives screws to exact pre-determined depth. Eliminates marred screw heads and marred surfaces.

SEE B&D SERVICE BRANCH FOR CONVERSION OF THE ABOVE TOOLS TO RIGHT ANGLE HEAD MODELS.



NEW

NO. 740-2

H. D. DRYWALL SCREWDRIVER Cat. No. 740-2

- Used for mounting wallboard quickly and profitably. Use with 1" and 1 1/4" Steel Studding Screws, 1 1/4" Wood Studding Screws and Acoustical Tile Screws.
- Screws used in drywall installation eliminate nail-pops.
- Collar of Screw Depth Locator adjusts so that each mounting screw is driven to an exact pre-set depth below the wallboard surface.
- Automatically prevents marred screw heads, damaged wallboard surfaces, broken bits, or stripped threads.
- Included Magnetic Bit Tip Holder efficiently holds Bit Tips that fit No. 2 Phillips Head mounting screws.
- Can also be used for mounting acoustical tile and other wallboard materials where a pre-set mounting-screw depth is wanted.

Cat. No. 740-1 Same as No. 740 except has 25' cable. Ship wt. 6 1/2 lbs.
Cat. No. 740 Same as No. 740-2 except has 1700 RPM.

Standard Equipment: No. 12 Positive Clutch Scrugun® Screwdriver equipped with No. 46836 screw depth locator; No. 52059 magnetic bit tip holder; No. 52058 bit tip for No. 2 Phillips head screws; reversing switch.

Standard Voltages (universal motor): 115v or 220v AC/DC (others p. 1). Specify voltage.

No-load Speed	Bearings	Duty Rating	Lgth.	Rated at 115V	Net Wt.	Ship. Wt.
2500 RPM	8 ball, 2 needle	continuous heavy duty	11 3/8"	3 amps.	4 lbs.	5 3/4 lbs.

REPLACEMENT PARTS FOR NO. 740 SCREWDRIVERS

Cat. No. 52059 Magnetic Bit Tip Holder.
Cat. No. 52058 Bit Tip (for No. 2 Phillips Head Screws).*

LUBRICANT

For Screwdrivers, Tappers, Drills, Sanders, Port. Grinders and Shears.

No. 23638 1 lb. Can Std. Gear Grease.
No. 32907 5 lb. Can Std. Gear Grease.

*QUANTITY DISCOUNT: 50 TO 99 LESS 5%; 100 OR MORE LESS 10%.



NO. 14 & NO. 18 SCREWDRIVERS

An easy-handling, power Driver for the production assembly of all types of threaded fasteners. Wherever these Drivers have been introduced to replace hand assembly operations large time and cost savings have invariably resulted. All Drivers are equipped with a clutch which provides a "dead" spindle for "finding" the slot or fastener head. Positive Clutch units are for jobs where

operator controls fastener tightness by amount of pressure applied; Adjustable Clutch units can be set for uniform fastener tightness and Right Angle Heads are available for hard-to-reach and special assembly work. All units can be supplied with a reversing switch for "backing out" and disassembling. All are equipped with ball-bearings and lubricant impregnated bearings.

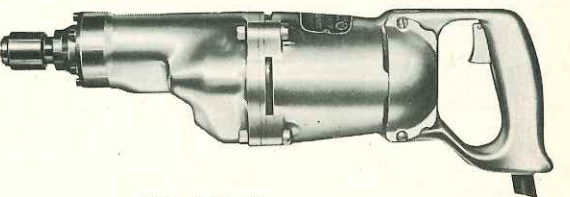


NOS. 14 & 18 POSITIVE CLUTCH SCREWDRIVERS

Positive Clutch and Adjustable Clutch Models

Available with Positive or Adjustable Clutches, with or without reversing switches as shown below.

Cat. No.	Type Clutch	Reversing Switch	Overall Length	Net Weight	Ship. Weight
No. 14 Screw Drivers					
53	Positive	—	13 1/4"	6 3/4 lbs.	9 lbs.
563	Positive	Yes	13 1/4"	6 3/4 lbs.	8 1/2 lbs.
564	Adjustable	Yes	15 1/2"	8 lbs.	11 1/4 lbs.
No. 18 Screw Drivers					
566	Positive	Yes	14 1/4"	9 lbs.	11 1/2 lbs.
567	Adjustable	Yes	17 1/4"	10 1/2 lbs.	15 lbs.
			No. 14 Screw Drivers		No. 18 Screw Drivers
Capacity:			Wood Screws up to No. 14 x 2 1/2"		up to No. 18 x 3 1/2"
			Self-Tap. Screws up to 5/16" diam.		up to 3/8" diam.
			Lag Screws up to 1/4" x 2"		up to 5/16" x 3"
			Machine Screws up to 3/8" diam.		up to 1/2" diam.
			and Nuts up to 1/2" diam.		
No-load Speed			500 R.P.M.		500 R.P.M.
Standard Equipment			Quick Change Chuck with 7/16" hex. socket.		
			Nos. 5330 and 5344 Bits with Finders		Nos. 5343 and 5329 Bits with Finders
Standard Voltages			115 Volts AC/DC (220, 125 or 240 on special order)		
Rated at 115v			2.3 amps.		3.3 amps.



NOS. 14 & 18 ADJUSTABLE CLUTCH SCREWDRIVERS

RIGHT-ANGLE HEADS

See B&D Service Branch for conversion to Right Angle Heads.

Right Angle Heads are available for Screw Drivers on pp. 48-51.

FOR NO. 10 AND NO. 12 SCRUGUNS® SCREW DRIVERS (after modification).

Head No. 105—1/4" sq. shank fits 1/4" drive opening in Sockets, on p. 52.
Head No. 157—1/4" chuck takes Bits and Finders on page 52. "Dead spindle" clutch permits a stationary bit while engaging the screw slot.

FOR NO. 14 AND NO. 18 SCREW DRIVERS (after modification).

Head No. 300—1/2" square shank fits Sockets.
Head No. 303—3/8" square shank fits Sockets.

Head No. 305—1/2" square shank fits Sockets. "Dead spindle" clutch permits stationary spindle while engaging fastener.

Head No. 301—Has 1/2" hex. socket for direct tightening of nuts, bolts and cap screws. Clearance hole for bolt shank in tightening nuts is 1/2" dia. x 7/8" deep.
Head. No. 350—7/16" hex. chuck takes Bits and Finders on p. 52.

NO. 157

NOS. 300, 303, 305

NO. 105

BALANCE REELS

Cat. No. 38741 Cable (non-electric)
Cat. No. 38848 Electric Cord

- Use over work benches or along assembly lines for counterbalancing portable tools or fixtures.
- Eliminates twisting and tangling of cords.
- Has adjustable spring-loaded cable take-up.
- Rotates 360° in either direction; can slide on track.

Cat. No.	Max. Ext.	Adj. Range lbs.	Hous-ing Dia.	Wires per Cable	Cable Wire Gage	Amps. Rat-ing	Volts Rat-ing	Net wt. lbs.	Ship. wt. lbs.
38741	6'	0-10	7 1/4"	—	—	—	—	4	4 3/4
38848	10'	0-7	7 1/4"	3	18	6	125	4 1/2	5

Cat. No. 38848 has a Twist Lock Plug and Connector.



NO. 38741



NO. 38848

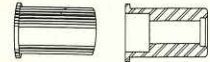
SCREWDRIVER BITS, FINDERS, BIT TIPS, HOLDERS

KEY: Slotted Head Screw Abbrev.
F-Flat or Oval B-Binding
R-Round P-Pan
L-Fillister T-Truss

STANDARD BITS
(1/4" hex. shanks)STANDARD BIT DESIGNATED
WITH ■ IN THE TABLE

STRAIGHT BORE FINDERS

Fit Nos. 8, 10, 12 Scrugun®
Screwdrivers

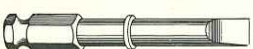
STANDARD BITS (1/4" hex. shanks)
& TAPER BORE FINDERS

Fit Nos. 8, 10, 12 Scrugun

BIT NO. WITH
■ IN TABLE

BIT & FINDER ASSY. BIT

STANDARD BITS



(7/16" hex. shanks). Fit Nos. 14 and
18 Screwdrivers



BIT AND FINDER ASSEMBLY

BIT TIPS—Fit Nos. 8, 10, 12
Scrugun® Screwdrivers.

Qty. Prices on pkg. of 5, all
one size.

MAGNETIC BIT
TIP HOLDER. Cat. No. 52059MAGNETIC DRILL-
SCREW CHUCK Cat. No. 49278

For self-drilling screws with 1/4"
hex. heads.

NON-MAGNETIC
BIT TIP HOLDER

NO. 49280

*Use #52058 with Drywall Screwdrivers when driving drywall screws only. #38404 can't be used for this.
†This Bit and Finder are used in combination on Micro-Clutch Scrugun® Screwdriver applications only.
‡All lengths shown are projecting lengths, from chuck to end of bit. They do not indicate overall lengths.

SCREWDRIVER BITS FOR PHILLIPS HEAD SCREWS



Length shown in "Slot Size" column is from chuck
to bit end.

Cat. No.	Cat. No.	Unit Used With	Slot Size
17922	54595	Scrugun® Screwdrivers	No. 1 (1/4" hex. shank, 1 1/2" long)
18938	54593	Nos. 14 and 18 Screw Driver	No. 1 (7/16" hex. shank, 2 1/2" long)
39018	54592	Scrugun® Screwdrivers	No. 2 (1/4" hex. shank, 1 1/2" long)
18098	54599	Scrugun® Screwdrivers	No. 2 (1/4" hex. shank, 2 1/2" long)
17924	54598	Nos. 14 and 18 Screw Driver	No. 2 (7/16" hex. shank, 2 1/2" long)
21366	54594	Scrugun® Screwdrivers	No. 3 (1/4" hex. shank, 1 1/2" long)
17925	54596	Nos. 14 and 18 Screw Driver	No. 3 (7/16" hex. shank, 2 1/2" long)
17926	54597	Nos. 14 and 18 Screw Driver	No. 4 (7/16" hex. shank, 2 1/2" long)

■ For standard (soft) screws.
♦ For sheet metal and self-tapping screws; impacting use.

**ORDER IN QUANTITY LOTS AND SAVE. SEE B&D PRICE LIST.

FOR 3/8" SCRU-DRILL®



Cat. No. 46098 Bit and Finder for
No. 5 to No. 9 Slotted Head
Screw. Buy in quantity lots and
save.

ADAPTORS

Cat. No. 22803 1/2" Male, 1/4"
Female. Use to adapt larger size
sockets to smaller size shanks.
"Male" is drive-square to fit
opening of socket; "Female" is
drive opening to fit drive-square
of shank.

SOCKET
WRENCHES

For Scrugun Screwdrivers—use
1/4" drive-opening Sockets with
1/4" size shanks, below. For Screw-
drivers—use 3/8" or 1/2" drive-open-
ing Sockets with 7/16" size shanks,
below.

Socket Size	Drive Opening	Hex. Socket
1/4"	1/4"	20512
5/16"	1/4"	20514
3/8"	1/4"	20516
7/16"	1/4"	20517
1/2"	1/4"	20518

SHANKS for Std. Socket Wrenches



Shank Size	Drive Sq. Size	Over-all Lgth.	Cat. No.	Use With
1/4"	1/4"	2"	20510	A
1/4"	1/4"	6"	20511	A
1/4"	3/8"	2 3/4"	22792	B
7/16"	1/2"	2 3/4"	22794	B
7/16"	3/8"	3"	51611	C

A. All Scrugun® Screwdrivers
B. Nos. 14 & 18 Screwdrivers
C. No. 625-1 Imp. Wrench

BIT EXTENSION

Screw Driver Bit Extension
to fit chuck sockets
to take standard bits and
socket wrenches.
Cat. No. 22539. Bit Ex-
tension, 6" long, 1/4"
shank.

SPECIAL HEX DRIVE BITS



For use with Socket Head Cap
Screws. Bits are adaptable to all
Drivers from No. 8 Scrugun®
Screwdrivers to No. 18 Screw-
drivers.

Size Screws with which Bit is Used				
Extension of Bit	Cap Screws	Set Screws	Pipe Plugs	
Shanks for Scrugun® Screwdrivers				
1 1/4"	#8	1/4"	—	
1 1/4"	#8	—	—	
1 1/4"	#10	5/16"	—	
1 1/4"	1/4"	3/8"	—	
Shanks for Nos. 14 & 18 Screwdrivers				
2"	1/4"	3/8"	1/8"	
2"	5/16"	7/16"	—	
2"	5/16"	—	1/4"	
2"	1/2"	1/2"	3/4"	
2"	3/8" & 7/16"	5/8"	3/8"	
2"	3/8"	5/8"	3/8"	
2"	7/16"	3/4"	1/2"	
2"	1/2" & 9/16"	3/4"	1/2"	
2"	1/2"	3/4"	1/2"	
2"	9/16"	—	—	

*New Sock. Hd. Cap Screws with larger hd. dia. & sock. size.



1/2" SQ. DR. H.D. IMPACT WRENCH

Cat. No. 624 1/2" square-drive, 1/2" bolt capacity

- Has longer life and fewer maintenance costs than any other make electric impact wrench on the market!
- Special B&D Impactor drives high-chrome nickel-steel anvil with full-impact force.
- Impacting efficiency is maintained indefinitely, regardless of length of service.
- Anvil is equipped with sealed roller bearing for long life.
- Cooler running impact wrench on the market!
- B&D-built motor has patented armature construction and spiral leads designed to absorb vibration and give longer, trouble-free service.
- Ball-bearings on armature and planetary gear carriage.
- Duty Rating: heavy-duty continuous use.
- Bearings: 3 ball, 1 roller.
- Switches: built-in reversing switch ring; H.D. double-pole trigger switch.



NO. 624

3/4" SQ. DR. H.D. IMPACT WRENCH

Cat. No. 625 3/4" square drive, 3/8" bolt capacity

- Heavier construction throughout to handle the driving or removal of larger bolts, nuts and screws.
- Work is performed quickly and easily on the toughest jobs.
- Has all of the outstanding features listed for the No. 624 above (except a different type anvil).
- Duty-Rating: heavy-duty continuous use.
- Bearings: 3 ball, 2 needle, 1 roller.
- Switches: built-in reversing switch ring; H.D. double-pole trigger switch.



NO. 625

The following table may be used for general information and guidance as to capacity of the No. 625 Wrench:

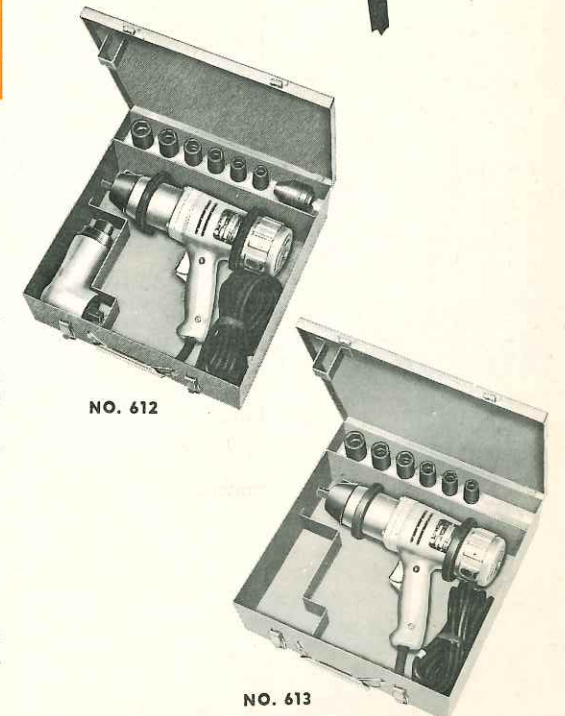
Type of Steel (S.A.E. Standard)	Bolts & Nuts*	Lag Screws*
Grade 1 Commercial Steel	1" up	—
Grade 2 Low-Carbon Steel	7/8"-1" up	7/8" up
Grade 3 Medium Carbon, Cold Steel	13/16"-1 1/16"	—
Grade 5 Medium Carbon, Quenched and Tempered Steel	3/4"-7/8"	—
Grade 9 Medium Carbon, Quenched and Tempered, High Strength Steel	1 1/16"-1 3/16"	—

*Shank diameter.

DELUXE 1/2" SQ. DR. H.D. IMPACT WRENCH KIT

Cat. No. 612 1/2" square drive, 1/2" bolt capacity

- Sturdy steel kit box protects tool and provides safe mobility for the wrench and accessories.
- Contains the powerful No. 624 H.D. Impact Wrench for driving or removing nuts, bolts, cap screws, or lag screws with minimum effort.
- See above for specifications of the No. 624 Wrench.
- Standard Equipment: Cat. No. 624 Impact Wrench; 6 hex sockets (1/2", 9/16", 5/8", 11/16", 3/4", 13/16"); No. 50487 Right Angle Head; No. 45429 3-jawed chuck; No. 39350 two rubber protector rings; and sturdy steel carrying case with hinged lid.
- Weights: net 23 1/4 lbs; ship. 24 1/4 lbs.



NO. 612

NO. 613

1/2" SQ. DR. H.D. IMPACT WRENCH KIT

Cat. No. 613 1/2" square, drive 1/2" bolt capacity

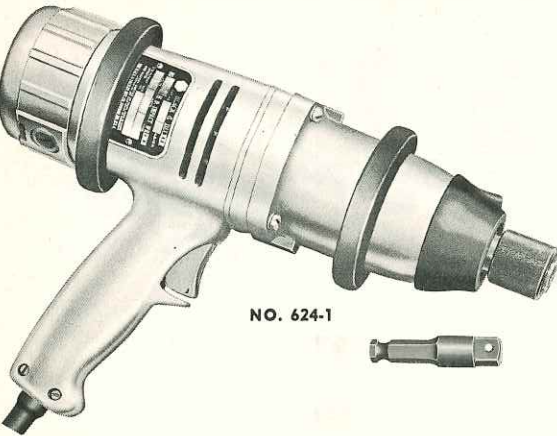
Has same features and specifications as those listed for No. 612 Kit above except without 3-jawed chuck and Right Angle Head. Kit Weight: net 17 1/4 lbs., ship. 18 1/2 lbs.

COMPARATIVE SPECIFICATIONS

Standard Equipment: (for No. 624) two No. 39350 rubber protector rings, (for No. 625) two No. 39352 rubber protector rings.

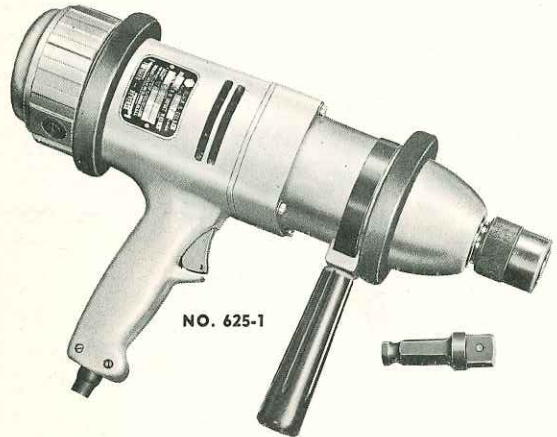
Standard Voltages (universal motor): 115V or 220V AC/DC (others p.1). Specify voltage.

Cat. No.	Square drive	Bolt capacity	No-load RPM	Impacts per min.	Rated at 115V	Length to shoulder	Side to center	Net wt. lbs.	Ship. wt. lbs.
624	1/2"	1/2"	1800	1800	4 amps.	10 7/8"	1 1/2"	7	10
625	3/4"	3/8"	1700	1600	6.5 amps.	13 3/8"	1 1/2"	12 3/4	14 1/2



NO. 624-1 H.D. IMPACT WRENCH
WITH 7/16" QUICK-CHANGE CHUCK Cat. No. 624-1

- Bores deep 7/16" to 1 1/16" diam. holes in wood without operator torque reaction. Reversing switch permits easy, safe bit removal from work.
- Tightens or removes construction-type bolts and lag screws (up to No. 24) with time-saving speed.
- Has all of the features listed for No. 624 Wrench, page 53.
- Perfect for installing utility pole hardware, attaching guy wire clamps, pole steps, etc.
- Also for general construction marine installations, boat building, truck body and house trailer building, prefab building erection, etc.
- Positive spring-locking quick-change hex chuck makes sockets safe to use—can't fall off.
- **Duty Rating:** heavy-duty continuous use.
- **Bearings:** 3 ball, 1 roller.
- **Switches:** built-in reversing switch ring; H.D. double pole trigger switch.



NO. 625-1 H.D. IMPACT WRENCH
WITH 5/8" QUICK-CHANGE CHUCK Cat. No. 625-1

- Has almost 3 times the output of the No. 624-1 listed above.
- Works twice as fast as the No. 624-1 in equivalent size ranges.
- Has all of the general features of the No. 624-1.
- **Duty Rating:** heavy-duty continuous use.
- **Bearings:** 3 ball, 2 needle, 1 roller.
- **Switches:** built-in reversing switch ring; H.D. double-pole trigger switch.



Drill through pole quickly, safely. No torque reaction. Reversing switch permits easy auger removal. Fastens hardware with same wrench.



Guy wire clamp nuts are attached or removed in seconds. Used pole hardware removed in a jiffy.



Boat building takes a much shorter time with the No. 624-1 Wrench . . . fastens up to No. 24 screws and large marine bolts in seconds.

REPLACEMENT PARTS

- Cat. No. 22794 Repl. 7/16" hex to 1/2" sq. Shank Adaptor (for No. 624-1).
- Cat. No. 51611 Repl. 5/8" hex to 5/8" sq. Shank Adaptor (for No. 625-1).

COMPARATIVE SPECIFICATIONS

Standard Equipment: (for No. 624-1) 7/16" hex to 1/2" sq. adaptor; two No. 39350 rubber protector rings; eye bolt; 15 ft. of 3-wire cable; (for No. 625-1) 5/8" hex to 5/8" sq. adaptor; two No. 39352 rubber protector rings; 15 ft. of 3-wire cable.

Standard Voltages (universal motor): 115V or 220V AC/DC (others p.1). Specify voltage.

Cat. No.	Quick-Change Hex chuck	No-load RPM	Impacts per min.	Rated at 115V	Length	Side to center	Net wt. lbs.	Ship. wt. lbs.
624-1	7/16" female	1800	1800	4 amps.	12 3/4"	1 1/2"	7 1/8	10 1/8
625-1	5/8" female	1700	1600	6.5 amps.	14 3/4"	1 1/2"	13 1/8	14 3/4



12 VOLT H.D. IMPACT WRENCH WITH
7/16" QUICK-CHANGE CHUCK Cat. No. 624-5

- Wrench comes with a plug-type connector which fits light-weight Cat. No. 54700 B&D portable 12-Volt Wet Cell Battery with Carrying Case.
- Bores deep 7/16" to 1 1/16" holes in wood without operator torque reaction. Reversing switch permits easy, safe bit removal from work.
- Tightens or removes construction-type bolts and lag screws with time-saving speed.
- Easily drives extra large screws (up to No. 24) in the toughest wood. Cuts labor costs.
- Positive spring-locking quick-change hex chuck makes sockets safe to use on poles—can't fall off.
- Perfect for use in any location where electrical outlets are not available or where cumbersome electric generators are not wanted.

Makes no difference whether you're fastening guy wire clamps, drilling holes up on a pole or building a boat, now you can take this versatile B&D Impact Wrench with you . . . to do the job easier, faster.

Standard Equipment: 7/16" hex to 1/2" sq. Adaptor; reversing switch; 2 No. 39350 Rubber Protector Rings; eye bolt; 25 ft. of 2-wire #10 cable with plug.

Standard Voltage: 12 Volt D.C. only.

Cat. No. 22794 Repl. 7/16" hex. to 1/2" sq. shank Adaptor.

Quick-change Hex Chuck	No-load Speed R.P.M.	Impacts per Minute	Rated at 12V	Dimensions		Net Wt. Lbs.	Ship. Wt. Lbs.
				Overall Length	Side to Center		
7/16" Female	1350	1700	25 amps.	12 3/4"	1 1/2"	10 3/8	13 3/8

12 VOLT 1/2" SQ. DR. H.D. IMPACT WRENCH Cat. No. 624-4
1/2" square drive, 1/2" bolt capacity

- Wrench comes with a plug-type connector which fits lightweight Cat. No. 54700 B&D portable 12-volt Wet Cell Battery with Carrying Case.
- Wrench has longer life and fewer maintenance costs than any electric wrench on the market. Impacting efficiency is maintained indefinitely, regardless of service.
- Anvil is equipped with sealed roller-bearing; ball-bearing used on armature and planetary gear carriage.

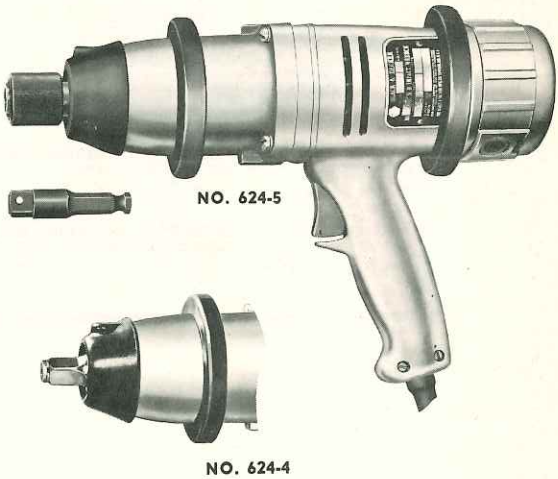
Standard Equipment: reversing switch; 2 No. 39350 Rubber Protector Rings; 2 hex sockets (No. 22778 3/4" and No. 22780 1 1/4"); 15' of 2-wire #10 cable with plug.

Standard Voltage: 12 Volt D.C. only.

Square Drive	Bolt Capacity	No-load R.P.M.	Impacts per Minute	Rated at 12V	Dimensions		Net Wt. Lbs.	Ship. Wt. Lbs.
					Length to Shoulder	Side to Center		
1/2"	1/2"	1350	1700	25 amps	10 3/8"	1 1/2"	8 3/8	11 3/8

IMPACT WRENCH ACCESSORIES

- A 3-Jawed Chuck—takes 1/8" to 1/2" dia. shanks. (for Nos. 624 & 624-4 Impact Wrenches). Cat. No. 45429
- B Adaptors—to change size of drive square: from 1/2" to 5/8" (for Nos. 624 & 624-4 Impact Wrenches). Cat. No. 38311 From 3/4" to 5/8" (for No. 625 Impact Wrench). Cat. No. 38316
- C Screw Driver Bit Chuck—takes 7/16" Screw Driver Bits, Shanks, and Sockets. (for Nos. 624 & 624-4 Impact Wrenches). Cat. No. 33345
- D 2 Rubber Protector Rings—for Nos. 624, 624-1, 624-4 & 624-5 Impact Wrenches). Cat. No. 39350 (for Nos. 625 & 625-1 Impact Wrenches). Cat. No. 39352
- E Right Angle Head—Cat. No. 50487 (fits 1/2" Sq. Dr.)
- F Adaptors—Cat. No. 22794 Repl. 7/16" hex. to 1/2" sq. shank Adaptor for Nos. 624-1 & 624-5 Elect. Imp. Wrenches. Cat. No. 51611 Repl. 5/8" hex. to 5/8" sq. shank Adaptor for No. 625-1 Elect. Imp. Wrench.



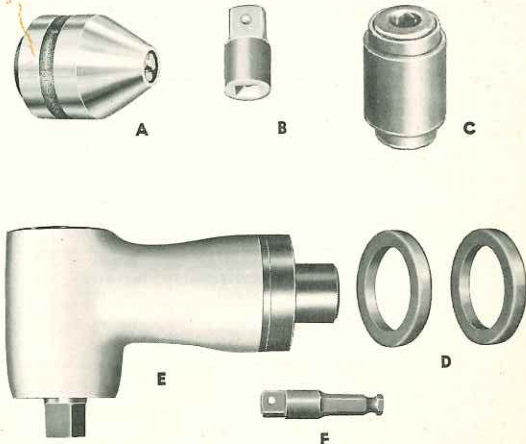
Cat. No. 54701 12 Volt Wet Cell Battery only. Use with Cat. No. 54702 Carrying Case. Where Carrying Case is not used, requires Cat. No. 54876 or Cat. No. 55076 Cable Adaptor with clips. Ship Weight: 23 3/4 lbs.

Cat. No. 54702 Battery Carrying Case only. Hard fiber, strap handle. Battery clamps and plug connector attach when lid is closed. Holds No. 54701 Battery. Ship Weight: 3 lbs.

Cat. No. 54876 3' Cable Adaptor. Has plug-type connector on one end; squeeze-clamp connector on other end for B&D or any other 12-volt battery. Ship Weight: 1 1/2 lb.

Cat. No. 55076 10' Cable Adaptor. Has plug-type connector on one end; squeeze-clamp connector on other end for B&D or any other 12-volt battery. Ship Weight: 1 1/2 lbs.

Cat. No. 54700 Includes Cat. No. 54701 12 Volt Wet Cell Battery and Cat. No. 54702 Battery Carrying Case. Battery in case accommodates plug on No. 624-4 and No. 624-5 Wrenches or 3' and 10' Cable Adaptors. (Cat. No. 54876 and Cat. No. 55076.) Carrying Case made of hard fiber with convenient strap handle for carrying. Plug connector fits into receptacle in back of case; Cable Adaptors are attached through holes in lid. Ship Weight: 26 3/4 lbs.



IMPACT WRENCH LUBRICANTS

Cat. No. 38276 1 1/4 lb. Can Impact Wrench Grease.

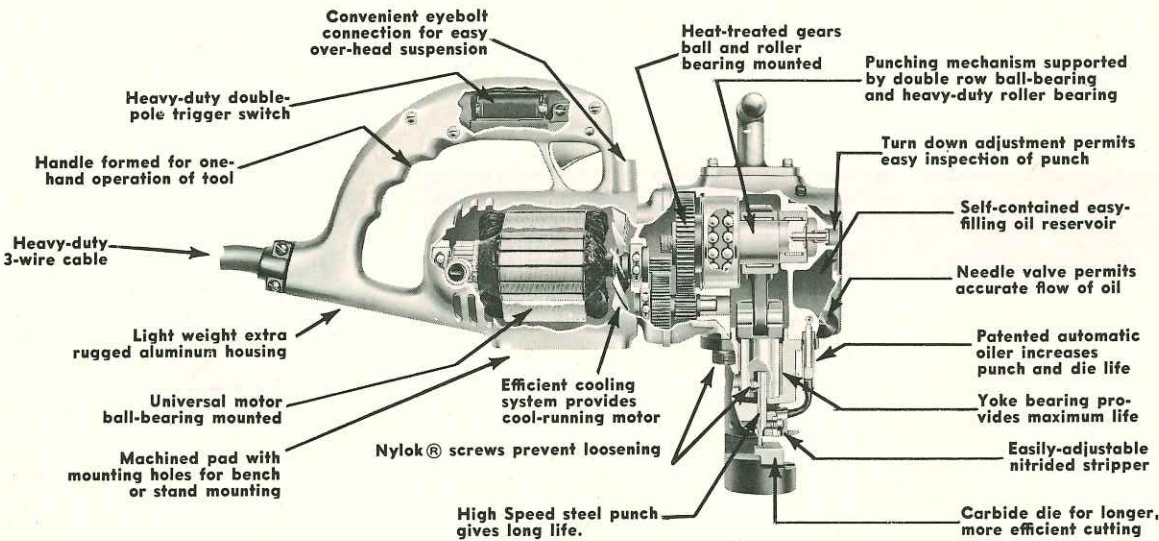
FEATURES OF *Black & Decker* SHEARS & NIBBLERS

NIBBLERS

- Quickly, efficiently cut many types of sheet metal up to 8 gage thickness.
- Heavy-duty construction throughout for continuous production work.
- Will also cut many types of corrugated metal, plastics and composition materials in sheet form.
- Won't bend or curl metal. Operates on punch and die principle.
- Pattern lines can be followed on either side of the punch, which is made of high-speed steel for long efficiency.
- Improved cooling system, heavy-duty switch.

SHEARS

- Cut sheet metal with a powerful scissors-like action—up to 30 feet per minute in cold rolled steel.
- Follow pattern lines perfectly, only a light forward pressure is needed. Cutting blade is always visible.
- Heavy-duty construction throughout for continuous production work.
- B&D-built Shear Motor with ball bearings, and heavy-duty switch.
- Improved cooling system, heavy-duty switch.



NO. 8 HEAVY-DUTY NIBBLER Cat. No. 691

Here's a Heavy-Duty Nibbler that lowers costs by cutting 8 gage metal, quickly, easily, on the job! Outstanding features are:

- The Nibbler operates on a punch and die principle. As the tool is fed along the cutting line, small rectangular pieces of metal are punched out leaving a smooth edge. The material on either side of the line is not bent or curled.
- Exclusive Automatic Oiler which deposits proper amount of oil on work to increase punch and die "life."
- Carbide Die for longer, more efficient cutting. Heat-treated and nitrided stripper.
- Handle and trigger positioned for one-hand operation. Operator can reach out over wide piece of material.
- Cool running; maximum overload capacity.
- Duty Rating: heavy-duty continuous production use.
- Bearings: 4 ball, 3 needle.
- Switch: H.D. double-pole trigger.

DEVELOPS THE PRESSURE OF A 2-TON PUNCH PRESS

Standard Equipment: Automatic oiler; punch and carbide die; Allen wrench.
Standard Voltages (universal motor): 115V or 220V AC/DC (others p. 1). Specify voltage.

Capacity			Strokes per Min.		Cutting Radius		Length	Height	Net Weight	Shipping Weight
Mild Steel	Monel or Stainless Steel	Non-ferrous metals	No-load	Rated load	Outside Edge	Inside Edge				
U. S. Std. 8 ga.*	10 ga.	3/16"	1000	600	3 3/8"	3 3/32"	15 1/2"	10 15/16"	16 1/4 lbs.	19 lbs.

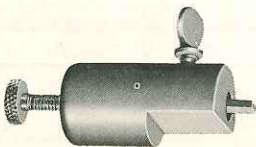
*7 gage mild steel, intermittent use only.

REPLACEMENT AND ACCESSORY ITEMS

- Cat. No. 49487 Punch for No. 8 Nibbler.
- Cat. No. 46691 Punch and Carbide Die Set.

NO. 8 NIBBLER PUNCH SHARPENER ATTACHMENT

Cat. No. 50399 Quickly, accurately sharpens Punch of No. 8 Nibbler. Punch fits in body of tool. Step of sharpener is placed on tool rest of a bench grinder. Successive passes across face of grinding wheel sharpens the punch.



NO. 16 H.D. NIBBLER Cat. No. 632

FOR CUTTING ALL TYPES OF METAL IN SHEET FORM

Operates on punch and die principle. Won't bend or curl metal. Pattern lines can be followed on either side of the punch, which is made of high-speed steel for long efficiency. Punch is reversible for double "life". Storage compartment under front knob holds set-screw wrench, extra dies, etc. An excellent

top-output production tool for sheet metal plant operations. Efficiently and quickly cuts many types of corrugated metal, plastics and composition materials in sheet form.

Duty Rating: continuous heavy-duty use. Bearings: 4 ball, 1 needle. Switch: H.D. single-pole toggle.



Standard Equipment: punch and die; set-screw wrench.

Standard Voltages (universal motor): 115v or 220v AC/DC (others p. 1). Specify voltage.

Strokes per minute		Min. Cutting Radius		Lgth. ins.	Hght. ins.	Rated at 115v (amps.)	Net Wt. lbs.	Ship. Wt. lbs.	Intermittent Use		Continuous Production
No-load	Rated load	Outside Edge	Inside Edge						Capacity in Steel	U.S. Std. 16 gage	
3300	2500	1"	13/16"	9 1/4	7 1/2	2.5	5 1/2	7	Capacity in Monel or Stainless	18 gage	20 gage

REPLACEMENT PARTS

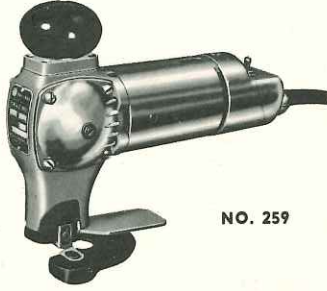
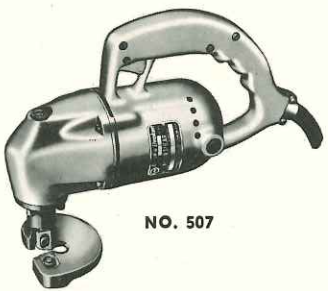
- Cat. No. 39043 Punch and Die Set (for Type A Nibbler)
- Cat. No. 39351 Set of 5 Punches (for Type A Nibbler)
- Cat. No. 48824 Punch and Die Set (for Type B Nibbler)
- Cat. No. 48825 Set of 5 Punches (for Type B Nibbler)
- Cat. No. 39348 Carbide Die. Lasts 6 to 8 times longer than regular die. Use on types A and B Nibblers. Perfect for cutting stainless steel. Not for cutting corrugated materials.

SHEARS

FOR CUTTING ALL TYPES METAL IN SHEET FORM

- Cut sheet metal with a powerful scissors-like action . . . up to 30 feet per minute in cold rolled steel.
- Follow pattern lines perfectly, only a light forward pressure is needed. Cutting blade is always visible.

- B&D-built Shear Motor with spiral bevel gears, ball-bearings, forged connecting rod, centrifugal fan and heavy-duty switch.
- Built for top output on production work.
- Duty Rating: continuous heavy-duty use.



Standard Equipment: pair of tool-steel shear blades.

Standard Voltages (universal motor): 115v or 220v AC/DC (others p. 1). Specify voltage.

	NO. 12 SHEAR Cat. No. 507	NO. 16 SHEAR Cat. No. 259	NO. 18 SHEAR Cat. No. 697
Capacity in Steel	12 gage (.1046")	16 gage (.0598")	18 gage (.0478")
Capacity in Monel or Stainless Steel	14 gage	18 gage	20 gage
Strokes per Minute	No-load, 2000 Full-load, 1400	No-load, 3300 Full-load, 2500	No-load, 3300 Full-load, 2500
Min. Cutting Radius	1 1/2"	3/4"	3/4"
Rated at 115v	5.5 amps.	2.5 amps.	2.5 amps.
Net Weight	11 lbs.	6 1/4 lbs.	6 1/2 lbs.
Ship. Weight	14 lbs.	8 lbs.	8 lbs.
Size	12 3/4" lg., 10 1/4" high	11" lg., 9 1/4" high	9 1/2" lg., 7 7/8" high

REPLACEMENT SHEAR BLADE KITS

- Cat. No. 33088 (for "No. 12" Shear)
- Cat. No. 32105 (for "No. 16" and "No. 18" Shears)

Complete with all items necessary for quick, accurate installation of new blades. Has screws, nuts and wrenches for adjusting blades to correct cutting clearance. Contents: Vertical Cutter Blade, Horizontal Stationary Blade, 2 Socket Head Holding Screws.

SHEAR BLADE SHARPENER Cat. No. 33202

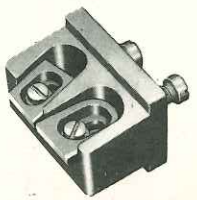
Quickly and accurately sharpens blades for all B&D Electric Shears. Operates by sliding along Bench Grinder Tool rest.

Includes complete instructions for operations.

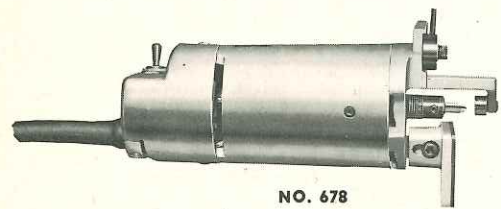
LUBRICANT

For Shears, Drills, Tappers, Screwdrivers, Sanders and Port. Grinders.

- No. 23638 1 lb. Can Std. Gear Grease.
- No. 32907 5 lb. Can Std. Gear Grease.



NO. 33202



NO. 678

LAMINATE TRIMMER Cat. No. 678

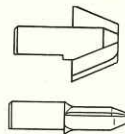
- Most Compact and Convenient Laminate Trimmer yet developed!
- Special B&D-built Motor designed for heavy-duty production work.
- Carbide Bit which makes both flush and bevel cuts on flat or curved surfaces . . . bit is clearly visible while cutting.
- Quick, easy Depth Adjustment.
- Adjustments and operation are precise and practically foolproof . . . a valuable asset where high priced laminates are concerned.
- **Duty Rating:** continuous heavy-duty use.
- **Bearings:** 2 ball.
- **Switch:** single pole trigger.

Chuck Capacity	No-Load R.P.M.	Lgth.	Dia.	Rated at 115V	Net Wt.	Ship. Wt.
1/4" Shanks	25,000	7 3/8"	2 19/16"	2.5 amps.	2 3/4 lbs.	4 1/4 lbs.

Standard Equipment: No. 48930 Straight and Bevel Carbide Bit; Cutting Depth Guide; toggle switch.

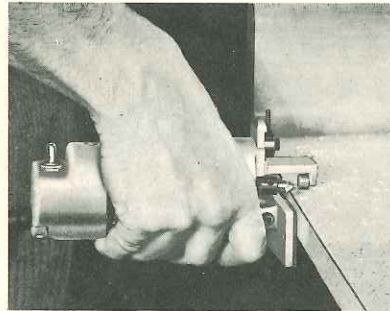
Std. Voltages ('universal' motor): 115v or 220v AC/DC (others p. 1). Specify voltage.

ACCESSORY AND REPLACEMENT BITS



Cat. No. 48929 Bevel Carbide Bit 22° bevel; 1/4" shank. Does 3 times more work due to carbide surface.

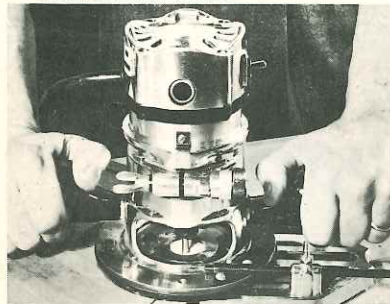
Cat. No. 48930 Straight and Bevel Carbide Bit (included with Laminate Trimmer). 1/4" shank. Single flute is easier to sharpen. Gives faster operation on roughing jobs. Also 22° bevel permits bevel cuts to be made.



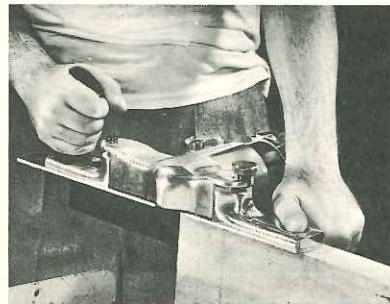
Laminate Trimmer makes fast, smooth cuts on all types of laminates.



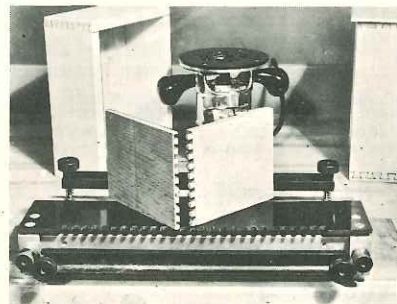
Router and Hinge Butt Template Kit allows rapid installation of hinges on doors and door frames.



Straight and Circular Guide attached to Router cuts with ease and accuracy.



Exclusive, Longer Shoe of Power Plane permits easy starting cuts.



Strong dovetail joints are made quickly and accurately with Router and Dovetail Kit.

LUBRICANTS

For Drills, Tappers, Screwdrivers, Sanders Polishers, Port. Grinders, and Shears—

- Cat. No. 23638.** 1 lb. Can Std. Gear Grease
- Cat. No. 32907.** 5 lb. Can Std. Gear Grease

For Super-Duty Sanders & Angle Grinders, Circ. Saws—

- Cat. No. 51395.** 1 lb. Can Special Gear Grease.

For Hammers—

- Cat. No. 23638.** 1 lb. Can of Grease. For Rotary Hammer and Hammer-Drill.
- Cat. No. 32907.** 5 lb. Can of Grease. For Rotary Hammer and Hammer-Drill.
- Cat. No. 22930.** 16 oz. Can of Hammer Oil. Use on all hammers except Super-Duty Hammer.
- Cat. No. 36391.** 1 lb. Can Hammer Gear Grease.
- Cat. No. 51314.** 4 oz. Can of Hammer Oil. Use on all hammers.
- Cat. No. 51315.** 16 oz. Can of Hammer Oil. Use on all hammers.

For Impact Wrenches—

- Cat. No. 38276.** 1 1/4 lb. Can Impact Wrench Grease.



1 H.P. MAX. H.D. ROUTER Cat. No. 14-3

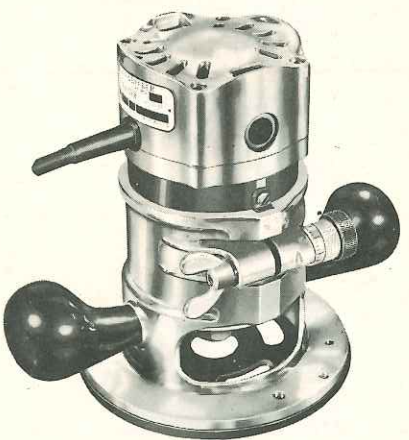
- Efficiently designed for speed and accuracy in performing joinery and cabinet work—beading, grooving, routing, fluting, core-cutting, dove-tailing, etc.
- Excellent for inlay work, decorative edging, and many types of bas-relief carving and wood-finishing.
- Little or no sanding required.
- Powered by special B&D-built ROUTER MOTOR. Unit operates on direct drive.
- Collet-type chuck with 1/4" and 3/8" collets.
- **Duty Rating:** heavy-duty continuous use.
- **Bearings:** 2 ball.
- **Switch:** H.D. double-pole.

Std. Voltages ('universal' motor): 115v or 220v AC/DC (others p. 1).

Std. Equip.: die-cast motor housing and base, 2 molded side handles, plastic sub-base, collet-type chuck (with 1/4" and 3/8" collets), 2 open-end wrenches for bit changing, built-in depth adjustments, toggle switch.

Chuck Capacity	Spindle R.P.M.	Rack & Pinion Depth Adj. Range	Total Linear Vert. Movement	Max. Capacity
3/8"	21,000	0" to 1" (in 64ths)	1 15/16"	1 H.P.

Base Dia.	Sub-Base Dia.	Hght.	Motor Housing Dia.	Rated at 115V	Net Wt.	Ship. Wt.
5 7/8"	6"	6 5/8"	3 1/2"	6.5 amps.	6 3/4 lbs.	9 1/4 lbs.



1 H.P. ROUTER BASE Cat. No. 45888

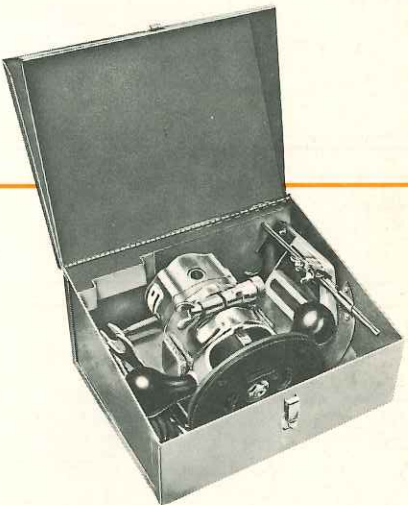


Combines with Router Motor, right, to form a 1 H.P. Max. H.D. Router. Router specs. above. Ship. Wt. 2 3/4 lbs.

1 H.P. ROUTER MOTOR Cat. No. 18



Combines with Power Plane Attachment, Cutter and Cutter Arbor, below, to form a Power Plane or with Router Base, left, to become a Router. Router specs. above. Ship. Wt. 6 lbs.



1 H.P. MAX. H.D. ROUTER KIT Cat. No. 17-3

For carpenters, contractors—anyone doing fine joinery, inlay work or decorative wood-finishing. This Kit features the 1 H.P. Heavy-Duty Router designed for professional routing with precision results; plus the versatile Straight and Circular Guide (p. 60) for maximum control and accuracy. The Router is equipped with a collet-type chuck (with 1/4" and 3/8" collets)—easily fitted with all

B&D Bits and Cutters for fast, accurate grooving, beading, routing, fluting, etc. Sturdy, heavy-gage steel Kit Box features a rack for your choice of bits; protects tools and keeps everything handy for on-the-job use. **Includes:** 1 H.P. Max. H.D. Router (Cat. No. 14-3), Straight and Circular Guide (Cat. No. 52336), Router Manual, Steel Kit Box. Ship. Wt. 17 3/4 lbs.

1 H.P. MAX. H.D. ROUTER-PLANE KIT Cat. No. 20

Contains all of the parts needed to make a complete 1 H.P. Max. H.D. Power Plane or 1 H.P. Max. H.D. Router. Converts from one to the other in minutes. Weight: Net—24 3/4 lbs., Shipping—29 lbs.

Kit Contents:—

- (1) Cat. No. 18, 1 H.P. Max. Motor Unit. Combines with items 2 or 3 to make a Power Plane or Router.
- (2) Cat. No. 45927 Power Plane Attachment for use with motor Unit as a 1 H.P. H.D. Power Plane.
- (3) Cat. No. 45888 Router Base for use with Motor Unit as a 1 H.P. H.D. Router.
- (4) Cat. No. 52336 Straight and Circular Guide Attachment for Router.
- (5) 1/4" and 3/8" Collets; No. 52329 Cutter and No. 45928 Arbor for Power Plane.
- (6) Steel Kit Box.

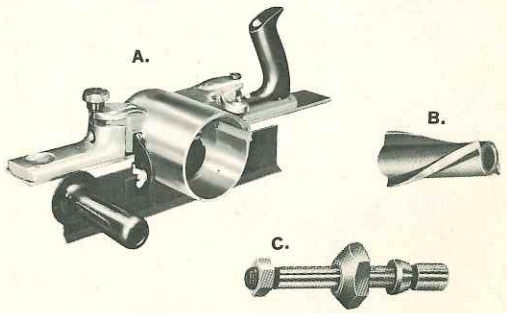
Power Plane Specifications:

Max. Depth of Cut: 3/32"; Max. Width of Cut: 2" dressed lumber. Motor Speed: 21,000 R.P.M. Shoe length 18 3/16". Width: 9 3/8". Height: 7 3/4". Net Wt. 9 7/8 lbs. Toggle Switch, 3-wire cable.

Router Features and Specifications: Same as those listed for 1 H.P. Router above.

CONVERT your B&D Router **TO A POWER PLANE** by ordering the following:

- A. **Cat. No. 45927** Power Plane Attachment (Ship. Wt. 6 lbs.) See specifications above.
- B. **Cat. No. 52329** Cutter. For Cutter Sharpening, contact B&D Service Branch.
- C. **Cat. No. 45928** Cutter Arbor (for Routers with 3/8" Collet).



ROUTER ATTACHMENTS

STRAIGHT AND CIRCULAR GUIDE Cat. No. 52336

Enables operator to make straight, curved, or angular cuts with ease and accuracy. Attaches to Router Base with two large wing nuts. Fully adjustable—built-in vernier-type adjust-

ment provides the precise measurement required in fine woodworking. Guide may be reversed for routing inside edges, such as rabbeting for screen frames, etc.

SLOT AND CIRCLE CUTTING ATTACHMENT Cat. No. 52332

Equips Router for cutting evenly spaced slots and grooves, discs, circular holes and concentric designs. Adjusts for diameter or

lengths from 1" to 22" in circle cutting, or slot cutting.

DOVETAIL KIT Cat. No. 52331

Kit contains everything needed to equip Router for making dovetails in wood from 7/16" to 1" thick.

Includes: 7/16" Template Guide for large Dove-

tail Template, No. 52598 Dovetail Fixture, Large Finger Template, 5/16" Dovetail Bit and 13/32" Depth Gage.

Cat. No. 52598 Dovetail Fixture

For making 1/4" Dovetails in wood from 5/16" to 5/8" thick, use following items with Cat. No. 52598 listed above.

- Cat. No. 52334 5/16" Template Guide for small Dovetail Template.
Cat. No. 52339 Small Finger Template
Cat. No. 52338 Large Finger Template
Cat. No. 52321 3/32" Dovetail Bit
Cat. No. 52322 5/16" Dovetail Bit

HINGE BUTT TEMPLATE KIT Cat. No. 58129

The Simplest, Fastest way to rout doors and jambs for hinges. Pre-determined dimensional settings eliminate the need for measuring each door. Handles doors as high as 8 ft. and as low as 5'-10" with either 2 or 3 hinges and even dutch doors. Handles hinges from 2 1/2"

to 5 1/2" or fractional sizes. Hangs doors with hinges as close as 5" from top of door jamb. Lowest cost way to hang wood doors to metal jambs. Kit includes: template, router bit, template guide, corner chisel and metal carrying case.

Cat. No. 58128 Hinge Butt Template, only. Buy the Kit and SAVE.

ROUTER BIT & CUTTER SHARPENER Cat. No. 52330

Uses Router power to turn out precision-ground cutting edges on all B&D Router Bits (except Hinge Mortising and Gaining Bits,

plus Carbide Bits) and Cutters. Grinding Wheel is fitted to chuck and Bit or Cutter is locked in attachment.

Cat. No. 52597 Replacement Grinding Wheel.

TEMPLATE GUIDES

Easily fitted to Router. Used for guiding tool along patterns for perfect duplication.

- Cat. No. 52334 5/16" Template Guide. Use with No. 52339 Small Finger-Template. a: 17/64" b: 5/16" c: 3/16"
Cat. No. 52333 3/8" Template Guide. a: 5/16" b: 3/8" c: 9/32"
Cat. No. 52335 7/16" Template Guide. a: 23/64" b: 7/16" c: 3/16". Use with No. 52338 Large Finger Template.
Cat. No. 52337 5/8" Template Guide. a: 17/32" b: 5/8" c: 9/32"
Cat. No. 39370 Hinge Mortising Butt Guide. a: 17/32" b: 5/8" c: 23/32"

VENEER TRIMMER GUIDE Cat. No. 39398

Attaches directly to sub-base of any B&D Router to equip it for veneer trimming applications. Includes Under-guide No. 39374 Combination Flush and Bevel Veneer Trim-

ming Bit, and Alignment Pin. 1 3/16" high, 2 3/16" wide, 2 1/2" deep. Ship. Wt. 1/4 lb.

Cat. No. 39336 Replacement Alignment Pin.

CARBIDE VENEER TRIMMING BITS AND CUTTERS

Bits and cutters are made of high-grade steel with cutting edges tipped with Tungsten carbide for longer life and accurate trim work, particularly in plastics and plastic laminates. Add versatility to your Veneer Trimmer or Router with these accessories.

Fig.	Cat. No.	Description
A	39374	Combination Veneer Trimming Bit—quickly adjusts for either straight or bevel trimming without removal from job.
B	39375	Straight Bit—Carbide-tipped 1/4" shank—2 flutes—1/4" dia.
B	39376	Straight Bit—Carbide-tipped 1/4" shank—2 flutes—1/4" dia. (extra long)
B	39377	Straight Bit—Carbide-tipped 1/4" shank—2 flutes—3/16" dia.
B	39378	Straight Bit—Carbide-tipped 1/4" shank—2 flutes—3/8" dia.
C	39379	Rounding Over Bit—1/4" shank—2 flutes—3/8" Bit.
C	39380	Rounding Over Bit—1/4" shank—2 flutes—1/2" Bit.
C	39396*	Veneer Trimming Arbor—1/4" Shank—1/4" Arbor.
D	39397*	Ball-Bearing Assembly (not illustrated). For use with Veneer Trimming Cutters, Cat. Nos. 39390 and 39391.
E	39386	Slotting Cutter—1/4" Arbor Hole—1/2" slot depth—1/16" slot width.
E	39387	Slotting Cutter—1/4" Arbor Hole—1/2" slot depth—1/64" slot width.
E	39388	Slotting Cutter—1/4" Arbor Hole—1/2" slot depth—3/32" slot width.
E	39385	Slotting Cutter—1/4" Arbor Hole—1/4" slot depth—1/4" slot width.
F	39395	Combination Panel Bit—Single flute, 1 1/16" cutting edge.
G	39383	Surfacing Bit—1/4" shank—2 flutes—1/2" dia.
H	39389*	22° Veneer Trimmer includes Arbor (No. 39396) and 22° Bevel Cutter (No. 39390).
I	39394	Trimming Saw—1/4" Shank—3/4" Saw dia.
J	39390*	Veneer Trimming Cutter—1/4" Arbor hole (fit No. 39396 Arbor)—22° Bevel Cutter.
K	39391*	Veneer Trimming Cutter—1/4" Arbor hole (fit No. 39396 Arbor)—45° Bevel Cutter.
L	39392*	Veneer Trimming Cutter—1/4" Arbor hole (fit No. 39396 Arbor)—Flush Trim Cutter.
L	39393	Veneer Flush Trim Saw—1/4" Arbor hole.
L	39384	Dovetail Bit (not illustrated)—3/64" dia.

*No. 39397, having a larger diameter ball-bearing than No. 39396 can increase the life of your cutters if you replace the No. 39396 ball-bearing with the ball-bearing from the No. 39397. Cutter-life is increased because the cutter contacts the work at a different position on the cutter.



ROUTER BITS

STRAIGHT BITS—TWO FLUTES

Cat. No.	A	B	C	D
52272	1/4"	3/8"	1/4"	1"
52273	5/16"	3/4"	1/4"	1"
52274	3/8"	1 1/16"	1/4"	1"
52275	7/16"	1 1/16"	1/4"	1"
52276	9/16"	5/8"	1/4"	1"
52277	5/16"	5/8"	1/4"	1"
52278	3/8"	5/8"	1/4"	1"
52279	1/4"	5/8"	1/4"	1"
52280	1/4"	1 1/8"	1/4"	1 3/16"
52281	5/16"	1 1/8"	1/4"	1 3/16"

STRAIGHT BITS—SINGLE FLUTE

Cat. No.	A	B	C	D
52282	1/8"	3/8"	1/4"	1"
52283	5/32"	3/8"	1/4"	1"
52284	3/16"	7/16"	1/4"	1"
52285	7/32"	7/16"	1/4"	1"

"V" GROOVING BITS

Cat. No.	A	C	D
52286	3/8"	1/4"	1"
52287	7/8"	1/4"	7/8"

CHAMFERING BIT—TWO FLUTES

Cat. No.	A	B	C	D
52288	1/2"	3/16"	1/4"	1"

HINGE MORTISING & GAINING BIT

Cat. No.	A	B	C	D
52289	1/2"	3/8"	1/4"	1 1/8"

CORE BOX BITS—TWO FLUTES

Cat. No.	A	B	C	D
52290	1/4"	1/4"	1/4"	1"
52291	5/16"	1/4"	1/4"	1"
52292	3/8"	1/4"	1/4"	1"
52293	1/2"	1/4"	1/4"	1"
52294	5/8"	1 1/32"	1/4"	1"
52295	9/16"	1 3/32"	1/4"	1"
52296	5/8"	3/8"	1/4"	1"
52297	1 1/16"	7/8"	1/4"	1"
52298	3/4"	1 1/32"	1/4"	1"

COVE BITS—TWO FLUTES

Cat. No.	A	B	C	D	E
52299	3/16"	1/4"	1/4"	1"	3/16"
52300	1/8"	1/4"	1/4"	1"	3/16"
52301	3/8"	3/4"	1/4"	7/8"	3/16"
52302	1/2"	3/4"	1/4"	7/8"	3/16"

ROUNDING OVER BITS—2 FLUTES

Cat. No.	A	B	C	D	E
52303	3/16"	1/4"	1"	3/16"	
52304	1/8"	1/4"	1"	3/16"	
52305	1/4"	1/4"	1"	3/16"	
52306	3/8"	1/4"	7/8"	3/16"	
52307	1/2"	1/4"	7/8"	3/16"	

BEADING BITS—TWO FLUTES

Cat. No.	A	B	C	D	E
52308	1 1/8"	3/4"	1/4"	1"	3/16"
52309	1 1/8"	3/4"	1/4"	1"	3/16"
52310	1 1/2"	1 1/2"	1/4"	1"	3/16"
52311	3/8"	3/4"	1/4"	7/8"	3/16"

ROMAN OGEE BITS

Cat. No.	A	B	C	D	E	F
52312	5/16"	1/4"	1/4"	1"	3/16"	31/32"
52313	1/4"	3/4"	1/4"	7/8"	3/16"	13/16"

OGEE BITS

Cat. No.	A	B	C	D	E	F
52314	3/16"	3/8"	1/4"	1"	3/16"	13/16"
52315	9/32"	23/32"	1/4"	7/8"	3/16"	1 1/16"

VEINING BITS—SINGLE FLUTE

Cat. No.	A	B	C	D
52316	1/8"	5/16"	1/4"	1"
52317	3/16"	7/16"	1/4"	1"
52318	7/32"	7/16"	1/4"	1"

RABBETING BITS—1" LENGTH

Cat. No.	A	B	C	Width	Rabbet E
52319	1 1/16"	7/16"	1/4"	1/4"	3/16"
52320	15/16"	1 1/2"	1/4"	3/8"	3/16"

DOVETAIL BITS

Cat. No.	A	B	C	D
52321	9/32"	3/8"	1/4"	1 1/4"
52322	9/16"	1 1/32"	1/4"	1 3/32"

ROUTER CUTTERS



Receives one or more Cutters for single cut or combination router-shaping. Includes 5 spacers and lock nut. Arbor Length: 3 3/16".

Cat. No. 45265 Arbor for 3/8" Router Chuck.

CONCAVE CUTTERS

Cat. No.	A	C	D	E
52230	1 1/64"	5/16"	1 1/8"	1 1/8"
52231	1 1/64"	5/16"	1 1/8"	3/16"
52232	2 3/64"	5/16"	1 1/8"	1/4"
52233	5/16"	5/16"	1 1/8"	5/16"
52234	1 1/32"	5/16"	1 1/8"	3/8"
52235	5/16"	5/16"	1 1/8"	1 1/8"
52236	5/16"	5/16"	1 1/8"	1 1/8"
52237	5 1/64"	5/16"	1 1/8"	9/16"
52238	5 1/64"	5/16"	1 1/8"	5/8"
52239	3 1/32"	5/16"	1 1/8"	1 1/16"
52240	1 1/16"	7/16"	1 1/8"	3/4"

CORNER BEAD CUTTERS

Cat. No.	A	C	D	E
52241	1/4"	5/16"	1 13/64"	1 1/8"
52242	1 1/4"	5/16"	1 13/64"	3/16"
52243	7/16"	5/16"	1 13/64"	1/4"

SURFACE BEAD CUTTERS

Cat. No.	A	C	D	E
52244	3/8"	5/16"	1 1/8"	5/16"
52245	1/2"	5/16"	1 1/8"	7/16"
52246	1 1/16"	5/16"	1 1/8"	7/16"

SPINDLE BEAD CUTTERS

Cat. No.	A	C	D
52247	5/16"	5/16"	1 21/64"
52248	5/16"	5/16"	1 23/64"
52249	7/16"	5/16"	1 3/8"

THUMBOLD CUTTER

Cat. No.	A	C
52250	1 1/16"	5/16"

STRAIGHT FACE CUTTERS

Cat. No.	A	C	D
52251	1/8"	5/16"	1 1/8"
52252	3/16"	5/16"	1 1/8"
52253	1/4"	5/16"	1 1/8"
52254	3/8"	5/16"	1 1/8"
52255	1/2"	5/16"	1 1/8"
52256	5/8"	5/16"	1 1/8"
52257	3/4"	5/16"	1 1/8"
52258	7/8"	5/16"	1 1/8"
52259	1"	5/16"	1 1/8"

CONVEX CUTTERS

Cat. No.	A	C	D	E
52260	1 1/64"	5/16"	1 13/64"	1 1/8"
52261	1 1/64"	5/16"	1 13/64"	3/16"
52262	2 3/64"	5/16"	1 17/64"	1/4"
52263	7/16"	5/16"	1 5/16"	5/16"
52264	1 1/32"	5/16"	1 11/32"	3/8"
52265	45/64"	5/16"	1 27/64"	1/2"

FLUTING CUTTERS

Cat. No.	A	C	D	E
52266	1/4"	5/16"	1 1/8"	1 1/8"
52267	1/2"	5/16"	1 1/4"	1/4"

CHAMFER CUTTERS

Cat. No.	A	B	C	D
52268	3/16"	9/32" L.H.	5/16"	1 1/8"
52269	3/16"	9/32" R.H.	5/16"	1 1/8"

"V" RABBETING CUTTERS

Cat. No.	A	C	D
52270	3/4"	5/16"	1 1/4"
52271	3/8"	5/16"	1 1/32"



VACUUM FISH TAPE SYSTEMS Patents Issued and Pending

- Low cost, fast, safe way to run pull-lines through conduit.
- Inserts high-strength pull-line, the first time, in seconds. No noxious gases; ventilates areas.
- Quickly locates hidden duct ends, identifies conduit runs.
- One, low cost purchase—all parts re-useable—no refills, no recharging.
- Saves from 500% to 5000% in dollars
- Powerful vacuum cleaner suction pulls carrier (with rope attached) through ½" to 6" nominal I.D. conduits.
- Compact, lightweight. Works in tight places (closets, scaffolds, ladders).
- Collects foreign matter, including water, in tank. Cleans conduit.
- Carriers are non-conductors, no electrical hazards. Safe.

Cat. No. 990-1 Contents: No. 165-1 Hi-Air-Flo H.D. Vacuum Cleaner (p. 63); Vacuum Fish Tape Kit; No. 33058 15 ft. 1½" I.D. Semi-flexible Extra Heavy-Duty Hose; No. 49326 Water Shut-off Valve (fully protects vacuum cleaner motor without bothersome visual inside checking of tank water level; automatically cuts off suction of cleaner when water reaches pre-determined level in tank).

Cat. No. 990-2 Contents: No. 165-2 Hi-Air-Flo H.D. Vacuum Cleaner (p. 63); Vacuum Fish Tape Kit; Nos. 33058 Hose and 49326 Water Shut-off Valve described under No. 990-1 listing above.

Cat. No. 990-3 Contents: No. 165-3 Hi-Air-Flo H.D. Vacuum Cleaner (p. 63) with stainless steel tank resistant to acids and corrosion and a convenient drain at rear of tank; Vacuum Fish Tape Kit; Nos. 33058 Hose and 49326 Water Shut-off Valve described under No. 990-1 listing above.

Cat. No. 990-4 Contents: No. 165-4 Hi-Air-Flo H.D. Vacuum Cleaner (p. 63) with stainless steel tank resistant to acids and corrosion and a convenient drain at rear of tank; Vacuum Fish Tape Kit; Nos. 33058 Hose and 49326 Water Shut-off Valve described under No. 990-1 listing above.

VACUUM FISH TAPE KIT Cat. No. 52387 Ship. wt. 15 lbs.

Cat. No. 51869 500 ft. ⅛" dia. synthetic Rope on aluminum bracket with turning handle.

Cat. No. 51892 ¾" x ¾" 90° Plastic Ell. Fits Nos. 51835.

Cat. No. 51881 1½" x 1½" 90° Plastic Ell. Fits Nos. 51836 and 51837.

Cat. No. 25913 Hose Coupling. Use with Nos. 51836 and 51837. Use as hose stiffener for water pick-up. Use to couple extra lengths of hose as required.

Cat. No. 51925 Hose Coupling (reducer). Use with Nos. 51892 and 51835. Can be used alone on 1" to 1½" conduit or on 1¼" I.D. Hose.

Cat. No. 51835 ¾" to 1½" Suction Adaptor Cone.

Cat. No. 51836 1½" to 2½" Suction Adaptor Cone.

Cat. No. 51837 2½" to 4½" Suction Adaptor Cone.

4 Cat. No. 52547 Polyfoam Line Carriers for ¾" nominal I.D. conduit.

4 Cat. No. 52548 Polyfoam Line Carriers for 1" nominal I.D. conduit.

3 Cat. No. 52549 Polyfoam Line Carriers for 1¼" nominal I.D. conduit.

3 Cat. No. 52550 Polyfoam Line Carriers for 1½" nominal I.D. conduit.

2 Cat. No. 52551 Polyfoam Line Carriers for 2" nominal I.D. conduit. ⅝" center hole.

Cat. No. 52552 Polyfoam Line Carrier for 2" nominal I.D. conduit. ¼" center hole.

Cat. No. 52553 Polyfoam Line Carrier for 2" nominal I.D. conduit.

Cat. No. 52554 Polyfoam Line Carrier for 3" nominal I.D. conduit.

Cat. No. 52555 Polyfoam Line Carrier for 3½" nominal I.D. conduit.

Cat. No. 52556 Polyfoam Line Carrier for 4" nominal I.D. conduit.

REPLACEMENT PARTS FOR VACUUM FISH TAPE SYSTEMS

A. Cat. No. 51888 500 ft. of ⅛" dia. Conduit Rope (400 # tensile)

B. Cat. No. 52556 4" dia. Line Carrier

B. Cat. No. 54460 5" dia. Line Carrier*

B. Cat. No. 54461 6" dia. Line Carrier*

C. Cat. No. 52555 3½" dia. Line Carrier

D. Cat. No. 52554 3" dia. Line Carrier

E. Cat. No. 52553 2½" dia. Line Carrier

F. Cat. No. 52552 2" dia. Line Carrier, ¼" center hole

G. Cat. No. 52551 2" dia. Line Carrier, ⅝" center hole, pkg. of 2

H. Cat. No. 52550 1½" dia. Line Carrier, pkg. of 3

I. Cat. No. 52549 1¼" dia. Line Carrier, pkg. of 3

J. Cat. No. 52548 1" dia. Line Carrier, pkg. of 4

K. Cat. No. 54561 ½" dia. Line Carrier, pkg. of 4

K. Cat. No. 52547 ¾" dia. Line Carrier, pkg. of 4

L. Cat. No. 25913 End Protector and Hose Coupling

M. Cat. No. 51881 1½" x 1½" 90° plastic Ell.

N. Cat. No. 51892 ¾" x ¾" 90° plastic Ell

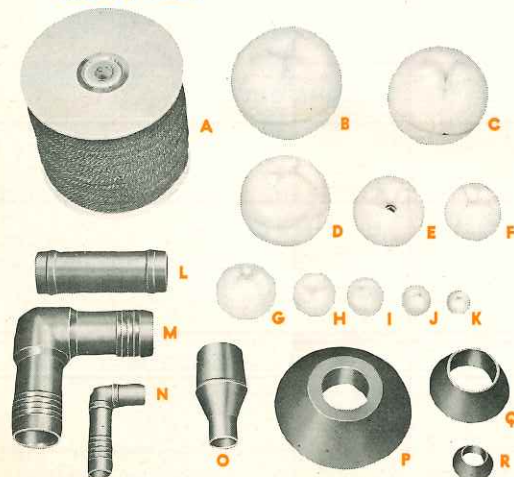
O. Cat. No. 51925 Hose Reducer

P. Cat. No. 51837 2½" x 4½" Adaptor Cone

Q. Cat. No. 51836 1½" x 2½" Adaptor Cone

R. Cat. No. 51835 ¾" x 1½" Adaptor Cone

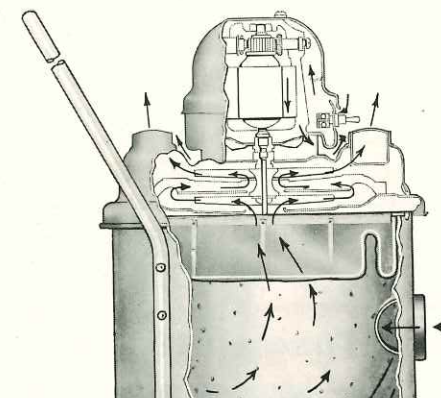
*Use pipe reducer on the conduit along with Cat. No. 51837 Adaptor Cone.



NEW HI-AIR-FLO HEAVY-DUTY VACUUM CLEANERS

MORE

"pick-up-power"
THAN OTHER CLEANERS
IN THEIR CLASS!



BY-PASS MOTOR DESIGN
Used on Nos. 165-1, 165-2
165-3, 165-4 and 155.

- ✓ New Hi-Air-Flo System uses a 'Jet Age' molded turbine to move a LARGER VOLUME of air with greater suction. Picks up dirt FASTER.
- ✓ Picks up MORE dirt—and picks it up FASTER—than any TWO competitive units.
- ✓ Tremendous NEW POWER lets cleaner pick up LARGER and HEAVIER objects.
- ✓ New Dual Exhaust gets the air out of the cleaner faster. Hi-Air-Flo gets the dirt into the tank faster.
- ✓ Handles dry or wet cleaning. Can be equipped with Water Shut-off Valve (next page).
- ✓ Can be used as a blower—simply attach hose connector to one exhaust outlet.
- ✓ Compactly designed for maximum mobility in narrow areas.
- ✓ Large rubber-tired wheels make movement easy—even up or down stairways.
- ✓ Especially recommended for use with 1½" and 2" heavy-duty accessories.
- ✓ Nos. 165-2 and 165-4 have 50% more tank capacity than Nos. 165-1 and 165-3. This cuts costs and saves time because larger quantities of material can be collected and tank does not have to be emptied as often.
- ✓ Nos. 165-3 and 165-4 have a stainless steel tank and a Water Drain conveniently located at the base of the tank for easy emptying of collected materials plus larger wheels which makes it easier to go up or down stairways.
- ✓ Nos. 165-2 and 165-4 take up no more floor space than Nos. 165-1 and 165-3 even though they have 50% more capacity than the latter.

COMPARATIVE SPECIFICATIONS

Standard Equipment: No. 48768 dust bag; dust bag stretcher; one No. 49521 paper dust filter; No. 50126 quick-lock hose connector; 25' of 3-wire cable; pushcart handle; (for Nos. 165-1 and 165-2) two 6" rubber tired wheels and front caster with wheel-lock; (for Nos. 165-3 and 165-4) two 8" rubber tired wheels and front caster with wheel-lock.

Standard Voltages (universal motor): 115V or 220V AC/DC. Specify voltage.

Cat. No.	Recoverable Capacity	Tank	For materials	Motor H.P. max.	Air Flow max. cu. ft./min.	Std. hose connection 1½" O.D.	Overall dimensions	Net wt. lbs.	Ship. wt. lbs.
	gals. bu.								
165-1	8 1¾	steel	dry or wet	2¼	170	2" hose & access. give max. perform.	34¼" high 18¼" wide	51	60¼
165-2	13 2	steel	dry or wet	2¼	170	2" hose & access. give max. perform.	38" high 18¼" wide	54	63¼
165-3	8 1¾	stainless steel	dry or wet	2¼	170	2" hose & access. give max. perform.	34¼" high 18¼" wide	52	61½
165-4	13 2	stainless steel	dry or wet	2¼	170	2" hose & access. give max. perform.	38" high 18¼" wide	55	64¾

Cat. Nos. 160-1, 160-2, 160-3, and 160-4: same specifications as those for 165-1, 165-2, 165-3 and 165-4, respectively, except equipped with a special motor for longer brush life. These are recommended for longer run applications.



NEW



NO. 155

Use your own drum. (Drum not supplied with unit.)



NO. 95

NO. 155 HI-AIR-FLO H.D. 55 GAL. DRUM VACUUM Cat. No. 155

- Designed for large capacity storage of picked-up materials.
- Utilizes ALL B&D Attachments for heavy duty cleaning—Wet or Dry.
- Has superior HI-AIR-FLO to get dirt into the tank faster. By-pass type motor.
- Perfect for large industrial furnace cleaning or bulk material recovery operations.
- Cuts emptying frequency as much as 4 to 1 over regular sized cleaners.
- Handles wet or dry cleaning as well as blowing operations.
- Fits any standard open-head 55 gal. drum.

Cat. No. 150 Cleaner: same specifications as No. 155 except equipped with a special motor for longer brush life. Recommended for long run applications.

DRAIN



Convenient non-clogging drain permits emptying of liquids from tank without removing lid of cleaner. Standard equipment with Nos. 165-3 and 165-4 Cleaners.

DOLLY Cat. No. 45375



Fits 55 gal. drum. Adds mobility to the Nos. 155 and 150 Vacuum Cleaners. Has 3 rubber-tired wheels. Sturdy steel construction.

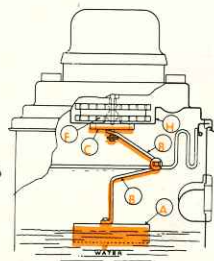
NO. 95 H.D. VACUUM CLEANER Cat. No. 95

- More cleaning power and a larger capacity than any comparable unit on the market. Has by-pass type motor.
- Removable pushcart handle and Accessory Carrier included to keep all attachments at your fingertips.
- Ideal All-Purpose Heavy-Duty Unit for fast, High-Powered industrial cleaning.
- Attractive exterior design gives modern appearance.
- Can be used for blowing applications (use No. 36974 Hose for this).
- All B&D vacuum cleaning attachments can be used.

WATER SHUT-OFF VALVE Cat. No. 49326

Fully protects motor without bothersome visual checking of water level inside of tank. This Black & Decker feature automatically cuts off the suction of the vacuum cleaner when the water reaches a predetermined level in the tank. Fits Nos. 165-1, 160-1, 165-2, 160-2, 165-3, 160-3, 165-4, 160-4, 155 and 150 Vacuum Cleaners.

When water reaches Float (A), it actuates lever (B) which causes rubber cup (C) to seal the hole in the bottom of the fan housing (H) thereby sealing off the air to the fans (F) and stopping all suction within the container.



NO. 49326

Black & Decker Vacuum Cleaners save Time and Money!



COMPARATIVE SPECIFICATIONS

Standard Voltages (Black & Decker-built universal motor): 115V or 220V AC/DC. Specify Voltage.

Standard Equipment: (No. 155) No. 48768 dust bag stretcher; 25' of 3-wire cable; swivel inlet; (No. 95) 4 wheels; No. 36968 dust bag; dust bag stretcher; 25' of 3-wire cable; swivel inlet for 1 1/2" I.D. hose (inlet takes 2" hose if 2" long hose-connector is removed. 2" hose fits over outlet for blowing operations. No. 36974 hose can also be used for blowing); removable pushcart handle and accessory carrier.

Cat. No.	Recoverable Capacity		Tank	For Materials	Motor H.P. Max.	Sealed Water Left	Air Flow max. Cu. Ft./min.	Std. Hose Connection 1 1/2" O.D.	Net Wt. Lbs.	Ship. Wt. Lbs.	Overall Dimensions
	Gals.	Bu.									
155	40	—	Use with your 55 gal. drum	Wet or Dry	2 1/4	—	170	2" Hose & Access. give max. perform.	44 3/4	52 3/4	18" high, 23 3/4" diam.
95	13	1 1/2	Steel	Wet or Dry	2 1/4	74"	—	Can also use 2" hose & access. p. 67	83	106	31" high, 18 1/2" wide



NO. 26 H. D. VACUUM CLEANER Cat. No. 26

- Low Cost, Powerful, Long Service-Life!
- Can be mounted on the wall, when not in use, with included Wall Mounting Bracket.
- Light weight, compact, easy to carry.
- Toggle-type switch protected against dirt and water.
- Quiet, rubber mounted motor—1 1/4 H.P. Max. for plenty of power.
- Ball-bearing on motor shaft for long life.
- Perfect for cleaning bins, floors, shelves, etc. Ideal for cleaning rugs, draperies, furniture, etc., in motels and hotels.
- Accommodates all B&D 1 1/4" and 1 1/2" cleaning attachments.
- Can be pulled by the hose when mounted on No. 50227 Set of 4 casters.
- Easy dirt removal. No. 54956 Disposable Paper Bags are recommended—keep cloth bag clean, maintain maximum cleaning efficiency longer.

ACCESSORIES FOR NO. 26 VACUUM CLEANER



Cat. No. 50227 Set of 4 Casters for No. 26 Cleaner. Two swivel, two non-swivel. Permits Cleaner to roll along floor.*

*Also used with discontinued No. 25 Cleaner. See page 68 for replacement dust bags for this Cleaner.



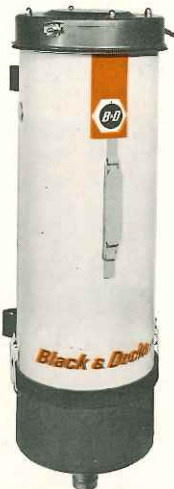
Cat. No. 54397 Repl. Cloth Dust Bag for No. 26 Cleaner.

Cat. No. 54956 Five Disposable Paper Bags for No. 26 Cleaner. Inserted in cloth bag for easy removal of collected materials.



Cat. No. 50307 Dacron Dust Bag. Inserted in cloth bag of No. 26 Cleaner for easy removal of collected dirt.*

*Also used with discontinued No. 25 Cleaner. See page 68 for replacement dust bags for this Cleaner.

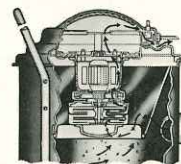


NO. 26



NO. 35-1 HEAVY-DUTY VACUUM CLEANER Cat. No. 35-1

- Brings NEW QUIETNESS to High-Powered cleaning in Hotels, Motels, Showrooms, Office Buildings, Schools, Hospitals, etc.
- up wet dirt or slush as well as dry materials.
- Twice as quiet as any comparable unit on the market. Has rubber-mounted motor and sound-absorbing felt baffle.
- Compactly designed to move through narrow aisles.
- Large rubber-tired wheels give complete mobility around obstacles and up or down stairways.
- All B&D Vacuum Cleaning Attachments can be used.
- Extremely high vacuum power picks



Non-By-Pass motor design. Used on Nos. 26, 35-1 and 35-2 Vacuum Cleaners.



NO. 35-1

NO. 35-2 H. D. VACUUM CLEANER Cat. No. 35-2

- Has 50% more tank capacity than the No. 35-1. This cuts cost for you and saves time because larger quantities of material can be collected and tank does not have to be emptied as often.
- Twice as quiet as any comparable unit on the market. Has rubber-mounted motor and sound-absorbing felt baffle.
- Compactly designed. Takes up no more floor space than the No. 35-1. Moves through narrow aisles and up or down stairways.
- Extremely high vacuum power picks up wet dirt or slush as well as dry materials.
- All B&D vacuum cleaning attachments can be used.



NO. 35-2

COMPARATIVE SPECIFICATIONS

Standard Voltages (Black & Decker-built universal motor): 115V or 220V AC/DC. Specify voltage.

Standard Equipment: (No. 26) No. 54956 paper bag; No. 54397 dust bag; wall mounting bracket; 20' of 3-wire cable. (Nos. 35-1 and 35-2) 3 rubber-tired wheels; front wheel-lock; No. 45765 dust bag; dust bag stretcher; No. 50126 quick-lock hose connector; 20' of 3 wire cable; pushcart handle.

Cat. No.	Recoverable Capacity	Tank	For Materials	Motor H.P. Max.	Sealed Water Lift	Std. Hose Connection	Net Wt. Lbs.	Ship. Wt. Lbs.	Overall Dimensions
26	1/4 bu.	Steel	Dry and limited wet	1 1/4	60"	1 1/2" O.D.	22	26	28 3/4" high, 9 3/8" deep, 9 3/8" wide
35-1	1 1/4 bu.	Steel	Dry and limited wet	1 1/4	60"	Can also use 2" Hose and Access. p. 67	43	51 1/4	34 1/4" high, 18 1/4" wide
35-2	1 3/8 bu.	Steel	Dry and limited wet	1 1/4	60"	Can also use 2" Hose and Access. p. 67	46	54 1/4	34 1/4" high, 18 1/4" wide

BLACK & DECKER ACCESSORIES CAN BE BOUGHT INDIVIDUALLY, AS SHOWN ON PAGES 67 AND 68; OR IF YOU PREFER TO PURCHASE CONVENIENT ASSORTMENTS, WE OFFER THE FOLLOWING:

FOR FURNACE CLEANING

Furnace Cleaning Accessory Assortment
Cat. No. 49136

For Nos. 35, 155 and 165 Vacuum Cleaners

Included Items	Cat. No.	Illust. No.
15' 1 1/2" I.D. Rubber Semi-Flexible Extra Heavy-Duty Hose	33058	1
26" Steel Crevice Tool	39094	2
6" Steel Scratch Brush (Use with No. 49559 6" Nozzle)	39131	3
Steel End Protector and Hose Coupling	25913	4
6" Aluminum Nozzle	49559	5
20" Steel Extension Tube	46648	6
Dacron Bag	49349	7



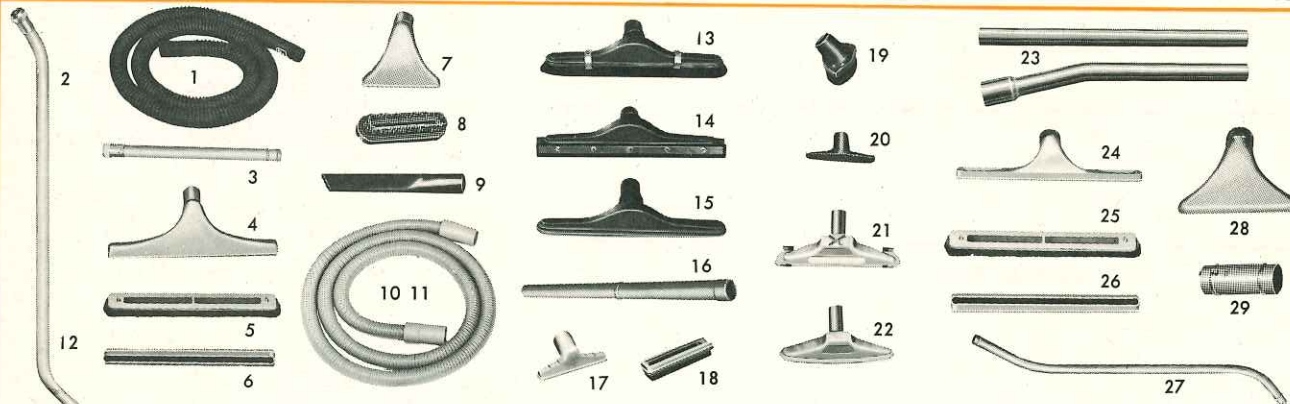
Quick, efficient furnace cleaning can be done with the No. 49136 Furnace Cleaning Accessory Assortment Coupled with one of these Heavy-Duty Vacuum Cleaners (specifications on preceding pages).



FOR HOTELS, MOTELS, OFFICES, ETC.

1 1/4" Heavy-Duty Assortment.....Cat. No. 49127

SEE ASSORTMENT CONTENTS BELOW



Items Included in Assortments Listed at Right	Cat. No. of Included Item	Illustration No. above	1 1/4" Heavy-Duty Assortment Cat. No. 49127	2" Wet & Dry Heavy-Duty Assortment Cat. No. 50074	1 1/2" Wet & Dry Heavy-Duty Assortment Cat. No. 49135	1 1/2" Wet & Dry Standard Assortment Cat. No. 49131	1 1/2" Dry Heavy-Duty Assortment Cat. No. 49133	1 1/2" Dry Standard Assortment Cat. No. 49129
10 Ft. Neoprene Accordion-type Hose	37509	1		Order 53505 2" Hose (p. 67) separately.	Yes		Yes	
5 ft. Double Angle Extension Tube	49152	2		Yes	Yes		Yes	
20" Extension Tube	46648	3		Yes	Yes		Yes	
15" Aluminum Floor Nozzle	49574	4		Yes	Yes		Yes	
15" Floor Brush (use with No. 49574 Nozzle)	49562	5		Yes	Yes		Yes	
15" Squeegee (use with No. 49574 Nozzle)	49565	6		Yes	Yes		Yes	
6" Aluminum Nozzle	49559	7		Yes	Yes		Yes	
6" Nozzle Brush (use with No. 49559 Nozzle)	18186	8		Yes	Yes		Yes	
11" Crevice Tool	36972	9	Yes	Yes	Yes	Yes	Yes	Yes
1 1/2" I.D. 10 ft. Plastic Hose	49149	10			Yes	Yes	Yes	Yes
1 1/2" I.D. 15 ft. Plastic Hose	46247	11	Yes					
5 ft. Double-Angle Extension Tube	46503	12				Yes	Yes	Yes
14" Floor Brush	46497	13				Yes	Yes	Yes
14" Squeegee	46499	14				Yes	Yes	Yes
14" Carpet Tool	46493	15				Yes	Yes	Yes
20" Extension Tube	47677	16				Yes	Yes	Yes
6" Nozzle	49154	17	Yes			Yes	Yes	Yes
6" Brush (fits No. 49154 Nozzle)	49156	18	Yes			Yes	Yes	Yes
2" Dusting Brush	46475	19	Yes			Yes	Yes	Yes
6" Upholstery and Drapery Nozzle	46476	20	Yes			Yes	Yes	Yes
12" Rug and Carpet Tool	49601	21	Yes			Yes	Yes	Yes
12" Floor Brush	49599	22	Yes			Yes	Yes	Yes
1 1/4" Extension Tube Assembly	49598	23	Yes					
22" Floor Nozzle	50012	24		Yes				
22" Floor Brush	50014	25		Yes				
22" Squeegee	50017	26		Yes				
5 ft. Double Angle Extension Tube	49299	27		Yes				
2" Fl. Gulper/Wear Plate, 12" long	51559	28		Yes				
2" O.D. Quick-lock Hose Connector	49907	29		Yes				

FOR INDUSTRIAL CLEANING

WET AND DRY USES

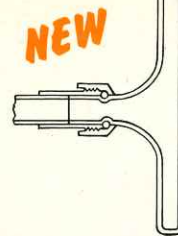
2" Heavy-Duty Assortment.....Cat. No. 50074
1 1/2" Heavy-Duty Assortment.....Cat. No. 49135
1 1/2" Standard Assortment.....Cat. No. 49131

DRY USES

1 1/2" Heavy-Duty Dry Assortment.....Cat. No. 49133
1 1/2" Standard Dry Assortment.....Cat. No. 49129

WET USES

1 1/2" Heavy-Duty Wet Assortment.....Cat. No. 49134
1 1/2" Standard Wet Assortment.....Cat. No. 49130



NEW THREADED COLLAR CONNECTION

All Wands, Extension and Nozzles shown below are connected by the method shown at left. When ordering replacements for a 'previous' model attachment that does not use the new 'threaded' lock collar, please see bottom of p. 68.

THE NEW THREADED COUPLING GIVES YOU QUICK AND COMPLETE INTER-CHANGEABILITY OF ALL B&D 1 1/2" NOZZLES AND WANDS.

2" HEAVY-DUTY ACCESSORIES

Recommended for use with all B&D Cleaners except No. 26 & former No. 25

- A. Cat. No. 53505 10' Semi-Flexible Extra Heavy-Duty Hose. 2" I.D. has more rigidity than other type hoses. Made of steel, wire, rubber and canvas.
- B. Cat. No. 49289 10 ft. Wire-reinforced Plastic Hose. 2" I.D. Light weight non-marking finish. Use with No. 49907 2" O.D. Quick-lock Hose Connector.
- C. Cat. No. 49907 2" O.D. Quick-lock Hose Connector.
- D. Cat. 49299 5 ft. Double Angle Aluminum Extension Tube.

The above tube, only, fits the following:

- E. Cat. No. 50012 22" Floor Nozzle. Smooth face. Cleans carpets.
- F. Cat. No. 50014 22" Floor Brush. Fits item E. Cleans non-carpeted floors.
- G. Cat. No. 50022 22" Felt Floor Tool—Fits item E.
- H. Cat. No. 50017 22" Squeegee. Fits item E.
Cat. No. 50019 22" Replacement Squeegee Blade.
- I. Cat. No. 51559 2" Gulper with No. 50025 Wear Plate, 12" long.

HOSES (1 1/2" SIZE)

ALL HOSES listed below fit ALL B&D Vacuum Cleaners, Wands and Extensions with 1/2" O.D. hose connections.

2" Sized Hose is listed under 2" H.D. Accessories.

- K. Cat. No. 49149 10' Wire-reinforced Plastic Hose, 1 1/2" I.D. Lightweight, non-marking finish. Rubber ends.
- K. Cat. No. 46247 15' Wire-reinforced Plastic Hose. 1 1/2" I.D.
- K. Cat. No. 51562 7' Wire-reinforced Plastic Hose. 1 1/2" I.D.
- L. Cat. No. 37509 10' Accordion-type, Neoprene, Static-Proof Hose. 1 1/2" I.D. Won't deteriorate from exposure to oil, heat, sunlight or gas. Extra Flexible.
- M. Cat. No. 33058 15' Semi-Flexible Extra Heavy-Duty Hose. 1 1/2" I.D. Has more rigidity than other type hoses. Constructed of steel wire, rubber and canvas.

For special blower applications with No. 95 Vacuum Cleaner use:

Cat. No. 36974 10' Accordion-type, Neoprene, Static-proof Hose. 1 1/2" I.D. Same as item L, except hose ends make internal and external connections.

ADAPTORS & CREVICE TOOLS

- N. Cat. No. 50126 1 1/2" O.D. Quick-lock Hose Connector. Connects 1 1/2" I.D. Hoses to B&D Nos. 35-1, 35-2, 165-1, 165-2, 165-3 and 165-4 Vacuum Cleaners.
- O. Cat. No. 49907 2" O.D. Quick-lock Hose Connector. Connects 2" I.D. Hose to B&D Vacuum Cleaners.
- P. Cat. No. 25913 End-Protector and Hose Coupling. Fits No. 33058 Hose, protects ends when cleaning furnaces. Also couples two sections of any B&D 1 1/2" I.D. hose.
- Q. Cat. No. 36972 11" Crevice Tool. Hard fibre. Fits all 1 1/2" I.D. Hoses.
- R. Cat. No. 39094 26" Crevice Tool. Metal. For furnace cleaning. Fits all 1 1/2" I.D. Hoses.

1 1/2" H.D. ACCESSORIES

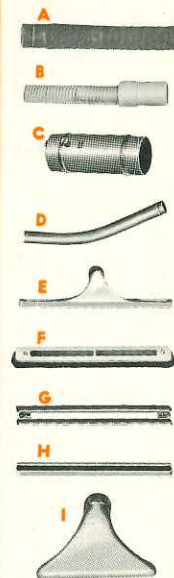
Recommended for use with all B&D Cleaners

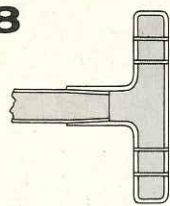
- A. Cat. No. 49252 5' Double-Angle Steel Extension Tube.
- B. Cat. No. 46506 5' Straight Extension Tube.
- C. Cat. No. 46648 20" Straight Steel Extension Tube.
- D. Cat. No. 46646 18" Angle Steel Extension Tube.
- The above tubes fit the following Attachments plus those listed under 1 1/2" Std. Accessories.
- E. Cat. No. 49574 15" Floor Nozzle. Has smooth face for thoroughly cleaning carpets. Newly engineered airflow design increases pick-up ability when used without attachments or with items F to I below.
- F. Cat. No. 49562 15" Floor Brush. Fits item E. Stiff horsehair bristles clean non-carpeted floors.
Cat. No. 49563 Replacement Brush for 15" Floor Brush. Made of stiff horsehair bristles.
- G. Cat. No. 49581 15" Carpet Tool. Fits item E. Engineered to lift nap and "scoop" out deeply imbedded dirt from carpets and rugs.
- H. Cat. No. 49329 15" Felt Floor Tool. Fits item E. For terrazzo, marble, tile, vinyl and other smooth floors, walls and surfaces.
- I. Cat. No. 49565 15" Squeegee. Fits item E. New, advanced design picks up liquid on both forward and backward stroke.
Cat. No. 49566 Replacement Rubber Squeegee Blade for 15" Squeegee.
- J. Cat. No. 49559 6" Nozzle. Swivel action. Cleans upholstery in cars, offices, etc.
- K. Cat. No. 18186 6" Brush. Fits item J. Stiff horsehair bristles.
- L. Cat. No. 39131 6" Scratch Brush. Fits item J. Tough wire bristle loosen rust, dry scale and furnace soot.
- M. Cat. No. 49072 Pipe Cleaning Tool. Cleans any pipe from 1" to 12" dia. Has quick-change metal plate which fastens to housing to reduce suction area for small pipes.
Cat. No. 49077 Replacement Long Brush Strip for Pipe Cleaning Tool.
Cat. No. 49078 Replacement Short Brush Strip for Pipe Cleaning Tool.

1 1/2" STANDARD ACCESSORIES

Recommended for use with all B&D Cleaners

- N. Cat. No. 46503 5' Double Angle Aluminum Extension Tube.
- O. Cat. No. 46506 5' Straight Extension Tube.
- The above tubes fit the following Attachments plus those listed under 1 1/2" H.D. Accessories above.
- P. Cat. No. 46501 14" Rough Floor Tool. Picks up dry materials from concrete or other rough floors.
- Q. Cat. No. 46499 14" Squeegee. For rapid, economical, wet pick-up.
- R. Cat. No. 46500 2" Replacement Rubber Squeegee Blades for 14" Squeegee.
- S. Cat. No. 46495 14" Smooth Floor Tool. Picks up dry materials from non-carpeted floors.
- T. Cat. No. 46497 14" Floor Brush. Cleans non-carpeted floors.
Cat. No. 46498 Replacement Brush for 14" Floor Brush.
- U. Cat. No. 46493 14" Carpet Tool.
- V. Cat. No. 46511 7" Hand Tool with Brush. Cleans bins, shelves, etc.
- V. Cat. No. 49072 Pipe Cleaning Tool. Cleans any pipe from 1" to 12" dia. Has quick-change metal plate which fastens to housing to reduce suction area for cleaning small pipes.





TAPERED CONNECTION

All Wands, Extensions and Attachments shown with 1 1/4" H. D. Accessories (below) are connected by a firm-grip tapered connection.



1 1/4" H.D. ACCESSORIES

Recommended for use with all B&D Cleaners except No. 155. Items A & B fit all 1 1/2" I.D. Hoses.

A. Cat. No. 49598 4' Extension Tube Assembly. 1 1/2" O.D. end for hose. Chromium plated steel.

B. Cat. No. 47677 20" Extension Tube. 1 1/2" O.D. end for hose. Can be coupled for use as floor cleaning handle or for extra 'reach.'

The above tubes fit the following:

C. Cat. No. 49599 12" Floor Brush. Cleans non-carpeted floors. Made of heavy-duty polished aluminum.
Cat. No. 49600 Replacement Brush Set for 12" Floor Brush.

D. Cat. No. 49601 12" Rug and Carpet Tool. Retractable brush loosens dirt. Swivels 180° to use lint remover on top. Made of heavy-duty polished aluminum.
Cat. No. 49602 Replacement Brush for 12" Rug and Carpet Tool.

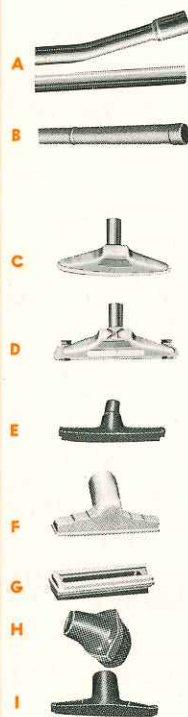
E. Cat. No. 46477 10" Wall Brush. Cleans small floor areas. Excellent for walls. Has 360° ball-joint swivel.

F. Cat. No. 49154 6" Nozzle. Ideal for cleaning chairs, mattresses, desk drawers, etc., in hotels, motels, offices. Also excellent for car seats. Fits 1 1/4" and 1 1/2" hoses.

G. Cat. No. 49156 6" Brush. Fits item F. Stiff horse-hair bristles clean floors, bins, shelves, etc.

H. Cat. No. 46475 2" Dusting Brush. Cleans furniture, cars, etc.

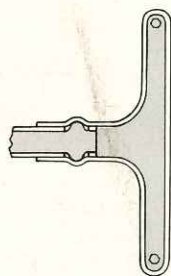
I. Cat. No. 46476 6" Upholstery and Drapery Nozzle. Perfect for curtain and drapery cleaning in hotels, motels, offices, etc.



REPLACEMENTS FOR PREVIOUS MODEL ACCESSORIES

Not interchangeable with Latest Type Shown on Pages 66, 67 and above.

IF YOUR PRESENT
COUPLING SYSTEM
LOOKS LIKE
THIS



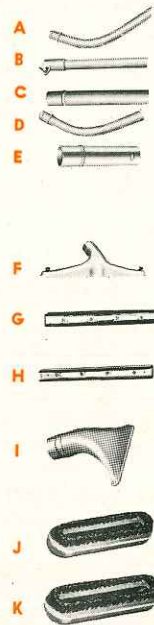
And you **don't** wish to convert your accessory system to the new style as shown on pages 66, 67 and 68 (above), you may order or have your local B&D Distributor order any of the Replacement Accessories listed at right from your nearest B&D Factory Service Branch.

- A. Cat. No. 37120 5' Double-Angle Extension Tube.
B. Cat. No. 37124 5' Straight Extension Tube.
C. Cat. No. 37122 2' Straight Extension Tube.
D. Cat. No. 37121 18" Angle Extension Tube.
E. Cat. No. 36955 Hose Swivel. Fits items B, F, I and all hoses.

TUBES ABOVE FIT THE FOLLOWING:

- F. Cat. No. 37089 15" Floor Nozzle. Smooth face. Cleans carpets.
G.*Cat. No. 37086 15" Floor Brush. Fits item F. Cleans non-carpeted floors.
Cat. No. 37072 2 Replacement Brushes for 15" Floor Brush.
H.*Cat. No. 37102 15" Squeegee. Fits item F.
Cat. No. 37343 Replacement Rear Strip Assembly for 15" Squeegee.
Cat. No. 39097 Replacement Front Strip Assembly for 15" Squeegee.
I. Cat. No. 36956 6" Nozzle. Cleans upholstery in cars, offices, etc.
J. Cat. No. 18186 6" Brush. Fits item K. Cleans car floors, bins, shelves, etc.
K. Cat. No. 39131 6" Scratch Brush. Fits item K. Loosens furnace soot.

*If No. 49509 15" Nozzle Conversion Kit has been used, then No. 49562 15" Floor Brush, No. 49581 15" Carpet Tool, No. 49329 15" Felt Floor Tool and No. 49565 15" Squeegee listed under 1 1/2" H.D. Accessories on p. 67 should be used.



REPLACEMENT DUST BAGS & FILTERS

A. Cat. No. 54397 Repl. Cloth Dust Bag for No. 26 Cleaner.

Cat. No. 54956 Five Disposable Paper Bags for No. 26 Cleaner. Inserted in cloth bag for easy removal of collected materials.

Cat. No. 50938 Five Disposable Paper Bags for discontinued No. 25 Cleaner. Inserted in cloth bag for easy removal of collected materials.

B. Cat. No. 50307 Dacron Dust Bag for No. 26 Cleaner. Inserted in cloth bag for easy removal of collected materials. (Also used with discontinued No. 25 Cleaner.)

C. Cat. No. 45765 Repl. Dust Bag for Nos. 35, 35-1 and 35-2 Cleaners.

D. Cat. No. 48768 Repl. Dust Bag for Nos. 165-1, 165-2, 165-3, 165-4 and 155 Cleaners.

Cat. No. 36968 Repl. Dust Bag for Nos. 95 and 95NA Cleaners.

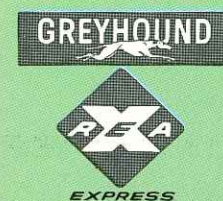
E. Cat. No. 49349 Dacron Dust Bag for all Nos. 35, 155, and 165 Cleaners used for Furnace Cleaning.

Cat. No. 49521 5 Paper Dust Filters for all Nos. 35 and 165 Cleaners.

Cat. No. 49520 Drawstring for Paper Dust Filter No. 49521.



To assure you prompt, efficient service on Black & Decker Products, there are over 100 Service Centers at strategic points throughout the United States and Canada. These are equipped with genuine Black & Decker replacement parts and use factory-approved methods. When you need "Quality B&D Service," you will find a Black & Decker Service Facility within 24 hours of you, ready to serve you expertly, reasonably and promptly.



Sending tools for repairs to Black & Decker Factory Services Branches or Authorized Service Stations is a quick and easy thing to do. Simply take them to your local Greyhound Bus Terminal or have REA Express pick them up.



THE BLACK & DECKER MFG CO.

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Don't forget Black & Decker's other product lines. Please see Catalog 2(B) for a complete line of Automotive Power Tools and Catalog 207 for a complete line of Power Tools for home use.

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- His knowledge of power tools and their applications means expert assistance the moment you need it;
- His extensive supplies include the special equipment you may need when you need it;
- His inventory can be counted on to include the accessories you need;
- His warehouse is your storehouse . . . you avoid the added overhead of excess inventory;
- His local location minimizes your shipping costs, purchasing costs, accounting costs;
- His local location means you buy with credit established at the local level . . . and you buy from the latest price sheets with complete catalog information to help you make the right selection.

Thanks to **local** availability through carefully selected, well-equipped, knowledgeable distributors . . . Black & Decker continues to be the best known tool brand in the land.



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